

MAY 15 1944

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AMERICAN NURSERYMAN

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

MAY 15, 1944



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Delicious Dark Red	2100	800	600
Delicious Yellow	500		200
Dolgo Crab	500	100	50
Duchess	200	80	
Duchess Red	500	200	
Flame Crab	400	100	
Forest Winter	300	100	
Golden Russet	100	150	
Grimes Golden	300		
Haralson		200	
Jonathan	400		
Jonathan Dark Red	500		
Mammoth Black Twig	250		
Milton		200	
Red June	150		
Stayman's Red	100		
Sweet Russet C.ab.	200	50	
Tolman Sweet	100		
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1000 2 to 3 ft.	20.00
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1000 2 to 3 ft.	22.00
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350 2 to 3 ft.	22.00
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AMERICAN NURSERYMAN

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The Nurseryman's Forte: To Make America More Beautiful and Fruitful

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MAY 15, 1944

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AMERICAN NURSERYMAN

F. R. KILNER, Editor

Editorial

IS IT TOO CHEAP?

One of the failings of human nature is that advice is too often valued only according to its cost. Most of us apparently prefer to learn from bitter and costly experience, even when a word from someone wiser or better informed would make our path easy. That is the perennial problem of parents. It yields large fees to law firms and accountants.

Realizing all this, the editor of a trade paper, which costs subscribers but a few cents per copy, hardly expects complete assimilation of its contents, even though they have been gathered and compiled at considerable expense and time, so as to be directly pertinent to the interests of this particular group of readers.

But there seems reason for concern when members of a trade association, whose dues run into a fair number of dollars, let pass unheeded the information and advice presented to them. Maybe the cost of that service, also, is too cheap to be given the scrupulous attention it deserves.

Nurserymen have had repeated warnings as to the records required under the social security law, the wage-hour law, various tax legislation and government regulations, records which should be kept in detail to avoid tax claims and penalties later. These warnings appeared not only in the passing pages of this periodical, but also in the valuable and pointed news-letters of the national association. Yet apparently the fees in that organization are not high enough for members to pay the attention to its counsel that they should, for a recent chiding reveals that woes have befallen nurserymen who continue to use contracts with agents not clear as to the legal employer-employee relationship under the social security law.

Coupled with this chiding is the reminder that a trade association cannot run someone's business for him, nor can it correct business errors made by the members. This is reinforced by a quotation from a writer on the functions of a trade association in these words:

"It does not tell its members what they must do. It tells them what, if influenced by a decent regard for their own interests, they will be glad to do. It assumes that its members are intelligent men, that they

The Mirror of the Trade

can think about the problems of their business and that if the facts out of which these problems arise are placed fairly before them, and if the significance of the facts is pointed out, a proper and profitable line of action will result."

CUSTOMER MORALE.

Some remarkable contrasts are visible in the business world today. Some firms solicit, acknowledge and fill their customers' orders with so little apparent difference from the peacetime procedure that you wonder what fortunate combination of happy circumstances blesses that particular organization. A glimpse behind the scenes, however, reveals that the only thing happy about it is the attitude toward customers—that the shortage of labor and scarcity of supplies are ever-present problems for that particular management, as well as for everybody else.

Sharp contrast is shown by the salesmen who seem more satisfied to turn down your order than to book it, by the curt and impatient tone of letters and by the snappy retort to queries about early delivery: "Don't you know there's a war on?"

Anybody who has any business responsibility has long since been acutely aware that a war was on. He is probably more burdened and sad on that account than the bright boys who so glibly put the question.

Customers have long since been aware that there was a war on. They are accustomed to going without many things, to accepting late delivery and to do with makeshifts. But it is questionable if any customer has become accustomed to inattention, discourtesy and short-tempered little people. Such rudeness is offensive to that morale which wartime is supposed to develop.

Someday customers will again be in the position when they cannot be slighted or repulsed. In that day they will doubtless remember the business people whose attitude was helpful and encouraging in a trying time. They will remember those who made the time more difficult.

Your customers are not interested in whether your business problems are big or small. In these times they have problems of their own. So if you must turn down orders, do it as pleasantly and graciously as possible. Do your part in maintaining your customers' morale. They will remember when the time comes that

you will need and seek their patronage.

PREFER OWN BUSINESS.

The rising generation prefers an independent occupation or business career to working for someone else, according to a recent poll conducted among more than 100,000 high school students. Americans of tomorrow will want their own business enterprises, instead of working for their government or large corporations. Hence the nursery business will have its attractions, particularly to the considerable group of the young folks interested in agriculture.

Sixty per cent of the boys and fifty-eight per cent of the girls desire independent occupations in preference to working for someone else, according to a poll conducted under the auspices of the Scholastic Institute of Student Opinion, which is sponsored by 1,320 high school newspapers. Put to 51,599 boys and to 61,115 girls, the following question was answered according to the percentages indicated:

If you could begin your career in any of the following, and obtain the same income at the start, which would you chose?

1. Government or public service: Boys, 16.6 per cent. Girls, 13 per cent.
2. Working for a large business or industrial corporation: Boys, 16.9 per cent. Girls, 19 per cent.
3. Working for a small business or industry: Boys, 6.5 per cent. Girls, 10 per cent.
4. Owning or managing their own business: Boys, 26.2 per cent. Girls, 11 per cent.
5. A profession, such as medicine, law, teaching or nursing: Boys, 21.7 per cent. Girls, 45 per cent.
6. Farming or some branch of agriculture: Boys, 12.1 per cent. Girls, 2 per cent.

THOUGH still high-priced, Pachystima canbyi is a fine ground cover. Usually requiring two years to establish, it succeeds better if a fifty per cent mixture of sand and peat is provided.

MORE than 11,000,000 tons of commercially prepared fertilizer were used by American farmers in 1943. The consumption in 1944 is expected to be more than 12,000,000 tons, calling for an all-out effort by the chemical firms which supply agriculture. In the chemical industry the increase is not regarded as a wartime phenomenon, but as a lasting trend. The war has proved that scientific feeding of the soil pays important dividends.

Reports on Spring Business in South

Excessive Rain and Labor Scarcity Prevent Meeting Urgent Demand

Wet weather has increased the handicap of labor shortage in delivering stock this spring to meet an unprecedented demand, according to reports received from nurserymen in the south, where the season is farthest advanced. Orders have been heavy, not only for fruit trees and berry plants, as anticipated, but also for some types of evergreens and flowering shrubs. Prices generally were not greatly advanced in that section, probably not as much as the higher cost of labor has made warranted. Quotations apparently meant little to the public, as stock was wanted almost regardless of price.

The effect of the strong demand and of the shortage of labor is making itself felt in the supply of stock. Rains have hampered the planting of lining-out stock, in addition, and the prospect is for diminished inventories another season. Reports follow from prominent nursery firms in various southern states.

Demand Beyond Capacity.

J. Frank Sneed, owner of the Sneed Nursery Co., Oklahoma City, Okla., writes:

"The nursery business throughout this section has been extremely good for most of the nurserymen and dealers as far as they could get help to handle it. We have been hampered by the continual rains, which have kept us two or three weeks behind with our orders all spring. The demand for the better class of grafted junipers has been large and has about cleaned out the better grades in this area. In fact, all of the medium grades of evergreens have been sold. We have had to turn down many orders on account of the shortage of labor and rainy weather.

"Practically all items in lining-out stock have been cleaned out because of the heavy demand and scarcity. It looks as though it will be short another season. Most firms have cut down their spring plantings to fit the supply of labor which they can get.

"Of course, fruit trees have been extremely scarce in this section because most of them were sold last fall. Even at the higher prices, there has been a good demand from the consumer. We believe that the demand will continue throughout next season.

"The class of labor the nurseryman can get now is poor, as he has to compete with the army and gov-

ernment war plants. We have been paying twice the rate of last year and getting about half as much work done. The rainy weather has hampered us in holding men, as they would wander away when we could not use them. Most of them were content to work three or four days a week even at higher wages.

"We believe that there will be about the same amount of fruit trees in this southwestern area as we had last year. There will not be nearly so many evergreens and flowering shrubs as there were in the fall of 1943. It is too early to tell much about small fruits, but we believe there will be a much larger supply than last season, when the drought curtailed production."

Labor Scarce in Texas.

Lack of labor and wet weather prevented filling many orders, according to George F. Verhalen, president of the Verhalen Nursery Co., Scottsville, Tex., who reports:

"We went into the season last fall enthusiastically, as much business was coming in to us unsolicited and the outlook for making money appeared bright. We are in a farming community in which the principal money crop is cotton, and our extra winter help for balling evergreens and other normal work ordinarily comes as soon as the crops are harvested. This time, though, heavy solicitation took almost all of this labor into the many war industries in Texas at high war wages. Many of our best trained, year-around employees living on our property were drafted, including white foremen, regardless of our agricultural classification and the diversion of 250 acres from nursery work into special food, feed and vegetable seed crops.

"This lack of help, plus excessive rains since January 1, delayed the filling of orders and other nursery operations so that we were unable to get as much stock onto the markets as we had ready for them. Women did some of the work ordinarily done by men, and they worked many more days than in normal times.

"Rose propagation will probably not be more than a little above the past year in the east Texas growing section. However, the higher prices should stimulate understock plantings for budding next summer.

"We have planted out our production of lining-out stock rather than

offering it for sale, believing that it will be much needed by the time it reaches marketable sizes. The quantity is not heavy. In order to save extra acre cultivation, we zealously filled in our 1943 plantings first.

"Submitting to the demands of carlot purchasers, especially in northern areas, we priced our stock lower than we had planned, although we did advance the values slightly. The southwest market was never satisfied any week with supplies, but wanted and would have taken double the quantity we were able to deliver. Wages were substantially increased, but had little effect. Advanced prices were willingly accepted in the southwest as a natural increase."

Rainfall Handicap in Alabama.

Rain also added to the labor shortage as a handicap in the southeast, reports H. B. Chase, president of the Chase Nursery Co., Chase, Ala., who writes:

"Conditions here as to spring plantings are not too bright. We have had three times our normal rainfall since early February. May 3 we enjoyed our third day of real planting weather this spring, and all plantings in this section are delayed. Should this late planting be followed by a drought, the results are bound to be serious.

"It is too early to ascertain our production for next season. We must have at least two weeks of good weather before we can get the place properly cleaned up and an intelligent idea of our stands.

"There was some injury from late frost on tender items, but we do not think it serious.

"We have not had an opportunity to visit our neighbor nurserymen, but are of the opinion that the total plantings in this area will not be so heavy as they were last year, because of the very wet spring and the universal shortage of labor."

Volume Up in Georgia.

While lack of help delayed filling orders, the strong demand raised the volume of business at the Fruitland Nurseries, Augusta, Ga., James G. Bailie reports.

"We have had our labor troubles, both as to number of men employed and wages. We are operating with about one-third less men than we had last year, and this was felt during the shipping season in the

length of time it took to get up our orders.

"The volume of business was more than that of last season, and most of the people seemed anxious to spend their money and did not question the price. The only question was, could we fill the orders? The cost of outside labor has increased over fifty per cent, and still there is unrest, because the government agencies are paying higher wages.

"On account of the shortage of labor, we have not been able to plant out as much lining-out stock as we have heretofore, and, of course, this will be reflected in our stock in the next two or three years.

"We are doing the best we can, under the circumstances, and hope that next year will be a brighter one than the one that has passed."

Banner Season in Virginia.

The largest volume of business ever handled by the firm of Waynesboro Nurseries, Inc., Waynesboro, Va., is reported by E. M. Quillen, who says:

"In spite of shortage of labor, shortage of supplies, transportation difficulties and various regulations, we have just concluded a successful shipping season, handling the largest volume of business we have ever had. But in doing so, we were compelled to delay our planting in the nursery; we have been cutting down on propagation and using the curtailed labor force trying to move stock we had ready for market. We have been devoting our attention chiefly to fruits and berries, having cut out planting service on ornamental plant material. We are not attempting to sell and move large balled and burlapped evergreens and shade trees, because of the shortage of labor, gasoline rationing, etc., but are trying to take care of our nursery stock the best we can until more labor is available.

"Orders for fruit trees are running larger than ever before. Planters are buying the larger sizes and more expensive varieties, and will continue to do so as long as money is plentiful.

"We are now operating a total of 1,600 acres, having in the last few years expanded to more general farming, fruit growing and cattle raising. We estimate we shall have a crop of 75,000 bushels of apples this year. We keep 250 head of cattle and are planting 200 acres of corn, 200 acres of small grain, fifty acres of soybeans and various other crops contributing to the war effort.

"Our stock of fruit trees coming

on for next fall and spring business is below normal except in apple. We have prospects for a good supply of 1-year and 2-year apple. Our stock of ornamentals equals our facilities for moving them, but less than we would need in normal times. While the supply of some kinds of nursery stock is apparently short, we believe there will be enough to go around if the stock is properly distributed."

Demand Strong in North Carolina.

Renovating old plantings was an important factor in the strong demand reported by William H. Howard, of the Howard-Hickory Co., Hickory, N. C., who states:

"The shipping season presumably is over, but inquiries for plants—particularly flowering trees as they come into bloom—continue, with many requests for shipment in spite of the lateness of the season, customers saying they are willing to run the risk.

"Largest volume of private business during the past season was remodeling jobs; many old overgrown plants have been replaced. Some very nice jobs were done on homes

that have been established for many years.

"Labor shortage became more acute this spring; three of our best superintendents were called into service. We were hauling labor from twenty miles away in some cases.

"We are lining out more heavily right now than at any time in the past few years—all we can get and labor to do it. Coniferous evergreens are plentiful; broad-leaved scarce.

"Will have adequate supply, we think, of peach for next season, short on apple, pear, cherry.

"Have an idea prices have about reached the top, but expect the things we want to be very high, and the things we have in surplus to be very low. Such has always been the case, and we see no reason for change now in spite of the times."

[Readers are invited to report on their local conditions and stock situation, for publication in the next issue, as the apparent public demand makes the more necessary adequate preparations by nurserymen for next season—Editor.]

Discuss Season on Coast

Discussion of the successful spring season just closed and of the prospects for next year took place at a meeting of Oregon nurserymen at Portland last month, at which were also present several large growers from Washington. The group represented the larger growers of both states, including wholesale and retail sellers. The increased cost of production and operation was foremost in the minds of those present, as well as many who had been contacted, but did not attend.

Labor costs have doubled since 1941 and show an increase of about twenty-five per cent during the past twelve months, it was concluded from the discussion.

Wages are pretty well stabilized at the present time and will probably continue at this level for a few years to come.

It was generally agreed that last year's prices were reasonable and that increases of ten to twenty per cent are justified for the coming season.

It is considered essential to maintain the good will of the buying public and to avoid anything that might give the impression that nurserymen are taking advantage of a current condition to make money.

In this regard, it was felt that small home planters could well afford to pay the increase justified by costs, but that commercial planters should be given the benefit of any saving possible.

Demand in practically all lines will remain good for the next few years, it was agreed, but overproduction can still be a problem just as it was after the last war, unless nurserymen use good judgment in controlling it.

This is important in the opinion of the growers, as it is a demonstrated fact that a period of underproduction is quite likely to result in succeeding overproduction. No form of enforced control of production is desired or anticipated, but voluntary contribution to the solution of the problem is important. By discussion and cooperation it should be possible to reach a reasonable conclusion regarding the probable demand in the future.

REPORTS FROM OREGON.

Favorable weather enabled the nurserymen of the Pacific northwest to complete a successful season in spite of the shortage of labor. In addition to the general report summa-

rized in the account of the Portland meeting on this page, the following statement from Wayne E. McGill, of A. McGill & Son, Fairview, Ore., presents the situation in the western portion of the state:

"We had a very mild winter and were able to handle our shipments with small delay. A good portion of our labor problem was solved by using Mexicans, both in the warehouse and in the field, and we have found them satisfactory. We have a fair supply of steady help, and our fields at the present time are in much better condition than they have been at the same time of year for the past two or three years.

"We cannot complain of our season's business, although our sales were down somewhat, and we attribute this to lack of labor by our customers, making it impossible for them to handle as much stock as they probably wanted to buy.

"I do think there will be less stock in all lines available for the coming season. If the labor situation eases somewhat, the retailers should be able to handle more material, which naturally will increase the general demand.

"We planted a little more heavily this year than we did last, but still it is far from normal.

"We are going to have to make a slight increase in our prices for next season, as our cost of operating is definitely higher, both because of increases in wages and materials and because of lower efficiency in the common labor we have."

From eastern Oregon comes the following report of C. Bert Miller, of the Milton Nursery Co., Milton, Ore.:

"We cannot say we had all the manpower needed, but by employing

old men, boys, women and 4-F's, with a number of our experienced men who have not been called to the service and have stayed with us, we finished a successful fiscal year. The demand for all stocks, including fruits and ornamentals, was exceptionally strong, and no one objected to higher prices. Our cash volume showed a good increase, but with the higher cost of labor and supplies, we doubt if the net will be in proportion. The weather has been favorable all spring, and stocks are getting off with a good start, which should produce a good supply of merchandise by fall."

OAKLAND GARDEN SHOW.

The victory garden show, held at the Exposition building, Oakland, Cal., April 20 to 23, was definitely planned as an educational event. The center of attention was a model garden and paved terrace, with its inviting chairs and outdoor furniture in front of a huge fireplace.

The exhibits were grouped in four sections, each one devoted to particular subjects. Garden care, planting, planning and soils were shown in one section; food preserving and harvest displays in another; poultry and rabbits and their care and feeding in a third section, and commercial exhibits in a fourth.

For the central exhibit Pete Milani arranged a rose garden at one side of the broad lawn and on the other had azaleas, wistarias on a trellis over the paved terrace and Easter lilies in pots on the steps and in a large bowl on a side table. Smart outdoor furniture and a large fireplace were included.

The California Nursery Co., Niles, had an interesting showing of small orange and grapefruit trees, white

Choisya ternata and a hedge of boxwood. Warren's Nursery exhibited pelargoniums, rosebushes and espalier trees in an attractive grouping.

The McDonnell Nursery, against a background of evergreens, showed dark red rhododendrons, white azaleas and violas, with a planting of vegetables. The Sunset Nursery Co. used pelargoniums against a background of flowering trees, with vegetable plants at the front of the exhibit.

Stanislaus Desert Gardens had a well staged display of succulents. H. Plath & Sons sent over a display of their greenhouse plants. From the James Nursery came an exhibit of camellias, caladiums, azaleas and hydrangeas.

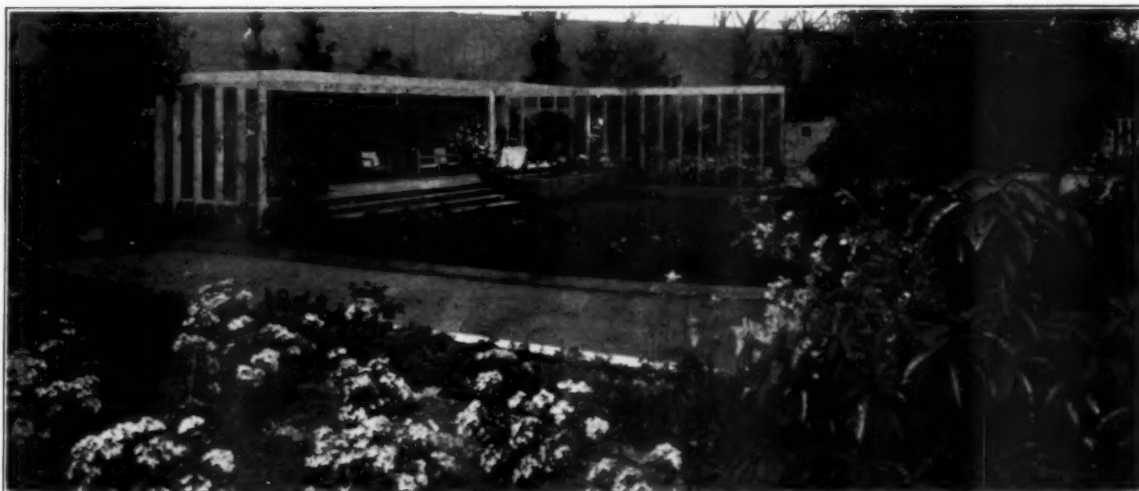
Garden clubs, although unable to put in the elaborate displays of pre-war days, still showed their interest in gardens by their exhibits.

In the planning section, the American Society of Landscape Architects showed drawings of a house and garden plan, with space set aside for the vegetable gardens being featured. The agricultural extension service, Hayward, had charts on soil preparation.

The California Nurserymen's Association had three large charts telling what the nurserymen are doing in the war effort through the planting of flats of food plants, landscaping for housing war workers and the growing of fruit trees.

The McDonnell Nursery had an exhibit showing how to plant in open ground and in flats.

The California Spray Chemical Co. had an exhibit of baits, dusts and sprays for garden use. In the commercial section such firms as the Pacific Guano Co., Charles Navlet Co., California Nursery Co., Germain's Seed & Plant Co., California Peat Co. and



Model Garden, Complete with Attractive Paved Terrace, Featured in Recent Victory Garden Show at Oakland, Cal.

the University Hydroponic Service came in for their full share of attention.

The victory garden show was sponsored by the Oakland junior chamber of commerce, with Ned S. Rucker, of the American Society of Landscape Architects, show designer and producer.

CONNECTICUT PRESIDENT.

This year elected president of the Connecticut Nurserymen's Association, Peter Brouwer came to this country at the age of 15 from his native Holland, where he had had three years of nursery experience. He landed in this country on Labor day, 1921. After three years with his brother-in-law, Henry Verkade, at Verkade's Nurseries, New London, Conn., he started in business for himself with three acres and now has ten acres under cultivation, operating as Peter Brouwer's Nurseries, New London, Conn. A citizen of the United States, he has three sons, aged 16, 13 and 1, and a daughter 6 years old.

DOUBLES WITH FIDDLE.

Arthur E. Webster, vice-president of the Connecticut Nurserymen's Association, occupies his days as assistant to the manager of the nursery department of A. N. Pierson, Inc., Cromwell, Conn., and fills his evenings by maintaining an orchestra, as seen in the illustration on this page, wherein he appears at the extreme right.

From his father, who was an old-time fiddler and prompter, he inherited music as a hobby, and he has played the fiddle since he was 10 years old. The present band organization has been intact since 1928 and some of the musicians have been in the group more than fifteen years. The orchestra has played for the Hartford park department during the summer for the past three years, and during the winter months it sponsors its own engagements. Featured is a modern and old-fashioned dance program.

Born at Colchester, Conn., and brought up on a large farm, Mr. Webster was cost clerk in a large rubber factory and a salesman for marine and automobile supplies before serving in the United States army from 1916 to 1919. He served during the Mexican border outbreak in 1916 and later overseas in France and also in Germany with the army of occupation. Discharged as quartermaster supply sergeant, July 3, 1919, he sought outdoor employment on re-

turning to civilian life. A visit to A. M. Stoveken, manager of the Pierson nursery department, resulted in his starting employment there October 20, 1920, working at all forms of nursery production. He has



Peter Brouwer.

been active in the American Legion and has served in various offices, including that of post commander and state vice-commander.

Married July 28, 1919, he has one daughter, Margaret Irene, 19, and a son, Arthur, Jr., 16. An orphaned nephew was included in the household until he entered the army three years ago; he is now stationed in Iran.

BOOM IN NEW ENGLAND.

Nurserymen in New England this spring are experiencing the most gigantic retail and wholesale buying boom in the history of the industry.

The defense manufacturing centers located here continue to pour

out enormous purchasing power to employees, many of whom have purchased homes for the first time in their lives and have a definite passion for beautifying them by the purchase of all kinds of plant material.

The demand is so heavy that most nurseries which can secure the labor are working on a 7-day week schedule and in most cases functioning from dawn to dark. Even on this basis they are unable to take care of the customers adequately.

There is no need for salesmen, in the true sense of the word, as salesmen in this area today are only order-takers, with the buying public in a mad scramble to get orders placed and work accomplished.

The demand has resulted in a heavy drain on merchandise supplies, creating a severe shortage in many items and complete exhaustion of others. Fruit trees and small fruits are practically nonexistent in New England nurseries because of the heavy purchasing of these items.

With the season about half over, it looks as though many concerns will have a complete sellout of available material and a certain scarcity on many items in the future, as relatively few New England nurseries are maintaining full production of new material on account of the labor scarcity.

Some Jamaicans are being advantageously used in this area, but most labor is of local character, including the use of schoolboys.

If production can be maintained at its present level, New England will experience good business for several years to come.

Louis C. Vanderbrook, Secy.
New England Nurserymen's Assn.



Orchestra Is Hobby of Nurseryman, Art Webster, at Right.

Plants for Bold Effects

By C. W. Wood

A friend of this department of the American Nurseryman writes to say that an article devoted to plants for bold effects would be appreciated by him and no doubt by others who are doing landscape work. The task is gladly undertaken, and I hope that some of the more unusual plants will reach the attention of investigators in various parts of the country. There is a steady call for unusual plants, yet when they cannot be found readily they are soon forgotten. A plant is in the unusual class just so long as it is not easily found; why, then, should one be so easily discouraged that he gives up the search after a few unsuccessful efforts? There are several plants for which I have been looking for over a quarter of a century and I still have hopes of finding them before the final call comes. But that is beside the point. Most of the plants which came to mind when the request arrived for a list of material for bold effects will be found without much trouble; the two or three rare ones should yield to a little search.

Perhaps it is well to dispose of the latter at once, and then all apologies will be over. Among the first that came to mind in this connection were those spectacular members of the saxifrage family known to botanists as *rodgersia*, closely allied to *astilbe*, but so distinct in appearance that they are scarcely thought of in that connection except when in flower. If one sees any *rodgersia* in gardens at all, it will more than likely be *R. podophylla*, a 2-foot to 3-foot plant (more often two than three unless the soil is rich, deep and moist) with tropical-looking leaves up to two feet or more across, on long stalks. That foliage would be reason enough for growing the plant, but in midsummer, when it displays its *astilbe*-like flowers in long panicles, it makes a most imposing picture. Better for our present purpose, however, would be another Chinese species, *R. aesculifolia*, which may grow six feet or more tall. Its white flowers are produced in midsummer in flat clusters, over luxuriant clumps of horse chestnut-like foliage, the basal ones a foot and one-half across, the veins of which bear conspicuous brown hairs. Neither has been permanently hardy in northern Michigan, but would probably be reliable here under a thick mulch. Prop-

agation is from seeds, divisions and probably cuttings.

Gunnera manicata is perhaps the most striking plant we can grow outdoors in northern United States. It should be added, however, that it is not entirely safe this far north, even under a thick mulch, which it requires to live over winter at all. Farther south it would give one an effect obtainable from no other plant of my acquaintance. Years ago I saw a lawn specimen in South Carolina, a description of which will give one an idea of the plant's possibilities. It was evidently an old plant, for it had a spread of about fifteen feet (twenty-five feet is not unknown) and some of the leafstalks, bearing blades five feet across, were four or five feet long. That gives one an idea of what could be done with the plant under ideal conditions. These include a very rich soil that is always moist (even approaching a bog), and here at least some protection from strong winds. In fact, all plants with large leaves should, because of that character, be protected from winds which might destroy their beauty. That includes the *rodgersias* as well as *gunneras*. *Gunnera chilensis* is less robust in all its parts and is consequently less striking, though it proved hardier under trials here. Both kinds should receive in the north a thick cover of leaves after frost has killed the foliage and before the ground freezes deep. From experience here, I should say that the covering should be thick enough to keep out frost. Propagation is generally from divisions, I believe, though seedage is quite practicable.

Some of the Asiatic *crambes* that I have had are among the boldest of easily grown hardy plants. All that I know are, however, more or less monocarpic, and that seems to be a serious handicap to overcome among modern gardeners. I recall one species from central Asia that I received from a Soviet botanical garden, which attained a height of nine feet when it sent up a treelike inflorescence after spending several years producing an imposing cluster of large basal leaves. But it would be wasting our time and space to dwell on that plant, because it will probably not again be available until the world reaches a happier state of affairs than it is in now. It should not be so hard to find seeds of *Crambe cordifolia*, however, and when you do, you will have a really splendid plant for bold effects.

For instance, if it behaves for you as it has for me, it will make an impressive clump of heart-shaped leaves during its first two to four years, the time depending upon factors which I never have been able to determine, and then it will surprise you by sending aloft a treelike flowering stem, up to seven feet or more tall and with branches as much across, bearing an uncountable number of small fragrant white cross flowers. No wonder the prodigious effort is so weakening that the plant seldom has left sufficient strength to carry on. Like most crucifers, *crambes* come readily from seeds.

The remaining notes will be confined to plants which are more readily obtainable, starting out with one, *Artemisia lactiflora*, of great landscape value, as well as useful for cutting. Familiarity, it seems to me, has bred a certain contempt for this novel mugwort. I can go back in memory to the early years of this century, when *lactiflora* was new to American gardens, and recall how enthusiastic experienced gardeners were about the plant and the splendid uses they made of it, taking great pains to bring it to the height of perfection. And I have a notion that it would be even more popular today if growers would show by example what the plant is capable of. I recall, among other plantings, one made of this wormwood and the great azure sage, *Salvia azurea grandiflora*, which would incite any gardener who had an eye for pretty associations to emulate the example. If the *artemisia* is treated liberally, there is no trouble at all in getting it to stretch up to a 6-foot stature (I have seen it taller than that in soil that had been trenched fifteen inches deep). It is then a most imposing plant, quite the most spectacular of its season.

Mention of the great azure sage in the preceding paragraph reminds me that the true plant is a really good thing for our present purpose. *Salvia azurea* is quite variable in nature, especially in height of plant, but also a variation in size of flower. Some florists give *S. a. grandiflora* and *S. pitcheri* as synonymous, but we find them distinct as they appear in gardens, the former having light blue flowers in August and September, while *pitcheri* gives us rich gentian-blue flowers in September and October. Both ordinarily grow three to

[Continued on page 21.]



CHARLIE CHESTNUT

The Public Servant



It may be you read in the paper several years ago it was, one spring in March, a funny thing happened here in Riverbend up to the schoolhouse. There was some aftermath to that event that has never before been told so I will relate same for the benefit of the members, especially any of the members which has ever had any ambitions to get on the school board.

At the time I am speaking of, it was during the spring vacation, while some decorating and repair work was going on at the school. Among other things they had taken down the fire escape to put in a few new bolts or something, and it was laying there in a pile beside the schoolhouse. It was one of them old time jobs with a series of iron steps and ladders. It was at the time when old iron was bringing a premium and the junk dealers were doing a big business.

There was a junk dealer from Lake Park, Jake Garfinkle by name, who was making the rounds in the neighborhood laying his hands on whatever was loose. Naturally, his eagle eye spotted that big pile of old iron laying there, so he stopped his truck and walked over to give it a look. It was during the noon hour so the janitor was home for dinner, but Jake walked around the schoolhouse until he found two middle aged gents, sitting in a park bench by the drinking fountain.

"You men work here at the school?" Jake inquired. "You know if that pile of old iron out there is for sale?"

These two gents were quick to size up a situation and being in need of funds at the time, they saw a golden opportunity to come by some loose change without too much effort. "There's a junk man promised to pick that stuff up later this afternoon, he bought the stuff for \$15.00, but he aint paid nothing down. If you want to do business, what will you give for it? There's some heavy iron in that pile."

"I would be losing money at \$15.00," said Jake, "but if you boys will help me load it up, I will give you \$15.00 and 50 cents each for helping me load it up."

The two gents held a hasty whispered conference, looked up and down the street and says to Jake, "Hand over your money, and it's a deal."

Old Jake got it all on the truck and

went on his way, well pleased with turning a good stroke of business. The two knights of the road took the \$15.00 and were never heard of again in Riverbend. At least that is the story that Jake told afterwards and it was probably the truth.

Jake made a few more stops including a visit to Emil's place on the way out of town. From previous experience Jake knew he was just as liable to sell a piece of junk to Emil as he was to buy any. Generally that stop was good for a little business of some kind. This day was no exception. It happened at the time that Emil was thinking of putting up some kind of a stairs to go up to the second floor of the corn crib where we had a lot of burlap and other stuff stored. A part of that fire escape caught Emil's eye. "What will you take for a length of that iron stairs, Jake, that piece right there?" says Emil, pointing to a piece that was on top of the load.

"There's a piece that will bring about \$8.00, Emil," says Jake, knowing that was just the beginning of the bargain.

"Your crazy, Jake, with a price like that. I wouldn't give over 75 cents for it," says Emil.

"What have you got laying around that I could take in trade, Emil? How about that old flywheel off that stationary engine, you got that here yet? I'll take that and \$5.00 cash."

"I'll give you \$3.00 and the old flywheel, Jake. You can take it or leave it," says Emil.

They finally settled for \$4.00 and the old flywheel, and we unloaded the stairs. It just fit, reaching up to the door on the second floor of the corn crib, so Emil was real pleased. We spent the next couple of hours fastening it up and making a platform for it to rest on. "I got the best of Jake on that deal," Emil says. "A stairs like that is worth a lot of money, it's in good shape too."

That night I went to the weekly meeting at the Civic Club where I picked up a startling piece of news. Doc Hart was there, he is the secretary of the school board. He was telling around the hall that the fire escape from the schoolhouse was missing, stolen right in broad daylight. Somebody in the neighborhood had seen

it being loaded on a truck, but they didn't think nothing of it at the time, Doc said.

The mystery of the missing fire escape made up most of the conversation during the entire evening. The culprits will be brought to justice, Doc said, and the law would take its course, making it mighty unhealthy for whoever was found with the fire escape.

At first I thought I should throw a little light on the subject, but I didn't know how Emil would take it, so I waited until the next morning when I got to work and then I told Emil the bad news.

"Emil," I says, "You better call up Doc Hart, so he can tell the school board that you have got part of their fire escape. I heard down to the Civic Club that somebody stole the fire escape, and the cops are on the lookout for some clue."

"How do I know this here steps is from the schoolhouse?" says Emil. "I bought it in good faith from old Jake, and where he got it I aint got no idea. If the school board is so dumb that they leave their junk laying around, it will learn them a good lesson. If we don't say nothing, it will blow over."

"Just the same, Emil, you are a receiver of stolen property. If you give it up all you are out is \$4.00 and an old flywheel. The next time Doc Hart comes out to fix up old Victoria's stifle joint he will see them steps, and you will be behind the 8 ball," I says.

All during the week there wasn't any trace of the fire escape, although everybody in town was looking for it. I wasn't surprised when the Gazette came out at the end of the week, there was quite a story in the paper and an advertisement offering a reward for information leading to the recovery of the same. I read the ad to Emil that morning in the office, it read as follows: "\$25.00 REWARD. A reward of \$25.00 will be paid by the Riverbend School Board for information leading to the recovery of the complete fire escape which was stolen last Saturday from the school. Telephone Dr. Hart, Secy."

"There, Charlie," says Emil. "I told you there wasn't no use to get too anxious about them stairs, now I can collect \$25.00, just because I

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 1½-in. Grade: \$3.50 per 10; \$30.00 per 100.

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Cortland	24
Delicious	60	198
Early Harvest	35	40
Jonathan	230	10
Grimes Golden	75
McIntosh	....	25	....
Northern Spy	18	27	....
Ontario	59	....	....
Red Astrachan	....	20	60
R. I. Greening	20	100	60
Rome Beauty	60	....	....
Snow (Fameuse)	....	30	20
Stayman Winesap	30	10	....
Tolman Sweet	....	35	40
Turley Winesap	30	10	....
Wealthy	70	125
Yellow Delicious	85	275
5-N-1 Apple	150
Yellow Transparent	30

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 1¾-in. Grade: \$3.00 per 10; \$20.00 per 100.

	1½-in.	1¾-in.	1¾-in.	1¾-in.
Arp Beauty	34
Champion	70	68	3
Crawford Early	....	....	40	....
Crawford Late	....	....	80	....
Elberta	....	....	....	130
Golddrop	40	....	....	....
Golden Jubilee	....	24	193	....
Halehaven	....	....	60	....
J. H. Hale	20	30	280	40
Oriole	30	34	94
Rochester	28
Salberta	44
Southaven	30	15	150	35
Sun Glo	50	30	177

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	Per 1000
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Althaea, assorted colors	Per 100
500 3 to 4 ft.	\$20.00
200 2 to 3 ft.	15.00
200 18 to 24 ins.	10.00
Aralia Pentaphylla	....
125 4 to 5 ft.	30.00
100 3 to 4 ft.	25.00
Calycanthus Alnifolia	....
50 2 to 3 ft.	25.00
Cornus Sanguinea	....
100 3 to 4 ft.	17.50
Cornus Stolonifera Flava	....
200 3 to 4 ft.	17.50
Cornus Sibirica Alba	....
200 3 to 4 ft.	17.50

FLOWERING SHRUBS—Continued

Cornus Amomum	Per 100
150 3 to 4 ft.	\$15.00
Deutzia Lemoinei	....
100 2 to 3 ft.	20.00
100 18 to 24 ins.	15.00
Deutzia Gracilis	....
75 15 to 18 ins.	22.50
170 12 to 15 ins.	20.00
Physocarpus Monogynus	....
150 3 to 4 ft.	20.00
150 2 to 3 ft.	15.00
150 18 to 24 ins.	10.00
Physocarpus Opulifolius	....
400 3 to 4 ft.	20.00
500 2 to 3 ft.	15.00
Physocarpus Opulifolius Aureus	....
50 2 to 3 ft.	15.00
100 18 to 24 ins.	10.00
Rhamnus Catharticus	....
150 3 to 4 ft.	20.00
Rhamnus Frangula	....
25 3 to 4 ft.	20.00
50 2 to 3 ft.	15.00
Rhus Canadensis	....
100 2 to 3 ft.	20.00
200 18 to 24 ins.	15.00
Ribes Alpinum	....
300 24 to 30 ins.	25.00
Spiraea Callosa Alba	....
200 2 to 3 ft.	20.00
400 18 to 24 ins.	15.00
300 12 to 18 ins.	10.00
Spiraea Salicifolia	....
300 2 to 3 ft.	15.00
200 18 to 24 ins.	10.00
Spiraea Vanhouttei	....
500 3 to 4 ft.	12.50
500 2 to 3 ft.	10.00
2500 18 to 24 ins.	5.00
Symphoricarpos Chenaaulti
500 18 to 24 ins.	8.00
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900 18 to 24 ins.	8.00
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100 Ludwig Spaeth,
18 to 24 ins.	45.00
100 Pres. Grevy, 18 to 24 ins.	45.00
100 Volcan, 18 to 24 ins.	45.00
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25 4 to 5 ft.	\$50.00
Malus Scheideckeri
40 4 to 5 ft.	50.00
Malus Sargentii
10 3 to 4 ft.	50.00
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100 4 to 5 ft.	90.00
Prunus Vesuvius
25 4 to 5 ft.	25.00
25 3 to 4 ft.	20.00
Double-flowering Peach
25 4 to 5 ft.	25.00
25 3 to 4 ft.	20.00
Althaea, Tree, Assorted	....
10 4 to 5 ft.	25.00
Cornus Florida, B&B	....
25 4 to 5 ft.	200.00
25 3 to 4 ft.	175.00
Cornus Florida, Red, B&B
25 4 to 5 ft.	250.00
25 3 to 4 ft.	200.00

SHADE TREES

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500 5 to 6 ft.	6.50
Poplar Lombardy, 2-yr. C.
100 5 to 6 ft.	6.50
Poplar, Simoni, 2-yr. C.
500 6 to 8 ft.	6.50
Willow, Babylonica, 2-yr. C.	....
500 5 to 7 ft.	6.50

ROSES

2-yr., No. 1: \$25.00 per 100.		
2-yr., No. 1½: \$15.00 per 100.		
	2-yr., No. 1	2-yr., No. 1½
Editor McFarland	500	.....
Magna Charta	100	.....
Mrs. Charles Bell	140	.....
Paul Neyron	150	.....
Pink Radiance	150	.....
Shell Radiance	75
Red Radiance	1400
Talisman	100
Etoile de Hollande	550
Grenoble	40

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waited a few days. Let that be a lesson, Charlie. Don't never rush out on a deal until you see how the ground lays."

Emil went to the phone and called Doc Hart. "I've got some information about that fire escape, Doc," says Emil. "I just heard you lost one at the schoolhouse. Where have I been all week? I been home minding my business. I didn't know you was missing a fire escape until I got the paper and seen your ad. If you want to get your junk back, I might be able to give you some information. I'll wait here for you to come out and you might as well bring out the reward so you won't have to make another trip."

Doc was out in a few minutes and had George Pound the marshall with him. "I bought a piece of iron stairs from a junk dealer, Doc. It might be a part of your fire escape or it might not, come out to the corn crib and I will show it to you," says Emil.

We all walked over to the corn crib and, of course, there wasn't any question about the stairs, as Emil well knew. "That's part of it alright, Emil. Where did you get it from?" says Doc.

"There is a certain junk dealer I do business with that stopped in here one day last week and I bought it off of him. I don't know where he got the stuff but I know where his yard is and you can go there and check it up."

"Take down the name and address of that junk dealer, George," said Doc. "We will make it hot for him, and as for that piece there, Emil, we will drop any charges against you if you bring that stairs back to the schoolhouse this afternoon."

"Wait a minute, Doc," says Emil. "I got my rights, I bought that stairs in good faith. I give \$4.00 and a fly-wheel worth \$3.00, if you want this piece you can just give me \$7.00 and take it along with you right now."

"It's up to you to get your money back, Emil. These steps belong to the

school district, and you better let loose of them without no trouble, otherwise you might wind up in a jam. You know you are in possession of stolen property, and you don't even have no bill of sale or nothing. You can't prove you didn't take these steps yourself right off the schoolhouse."

That remark didn't go so good with Emil, and he threatened not to give the name of the junk dealer, but George persuaded him that he would be held as an accomplice or something, so Emil gave them the name of Jake Garfinkle and his address in Lake Park. Doc and George Pound took the address and drove away.

Emil yelled at them as they were driving out. "You better have that reward out here first thing in the morning, or I'll have the law on you."

Jake Garfinkle had been mixed up with the law before, so he didn't offer any resistance. "I bought this junk from two men I found at the school. I thought they was janitors, as they helped me load and I paid them \$15.00," Jake said.

"It's all there someplace in that pile of junk, except one piece I sold to the Riverbend Nursery, he bought one length of stairs. I'll pick that up tomorrow and bring it all back." Jake was glad to get out of the deal without any more serious charges. He would

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	Per 100
Forsythia Intermedia , 12 to 18 ins., T.-----	\$ 3.00
Viburnum Burkwoodi , pots-----	17.50
Viburnum Lentago , 12 to 18 ins., T.-----	6.00
Lilac, Villosa , 12 to 18 ins., T.-----	5.00
Euonymus Carrierei , 8 to 12 ins., T.-----	6.00
Globe Barberry (Pat. No. 189), 4 to 6 ins., T.-----	25.00
Buddleia Ile de France , pots-----	5.50

Hundreds of other desirable items listed in our
Spring Wholesale Catalogue.

BURTON'S HILL TOP NURSERIES

Casstown, Ohio

1887

1944

REFER TO OUR ADVERTISEMENT IN MAY 1 ISSUE

for discount prices on
SHRUBS EVERGREENS
FOREST AND SHADE TREES
VINES AND CREEPERS

Or a copy of
Spring Trade List will be
mailed on request.

FOREST NURSERY CO., INC.

J. R. Boyd, Pres. McMinnville, Tenn.

BURR

Leading wholesale source for
Nursery Stock.

Send us your Want List.

C. R. BURR & CO., INC.
Manchester, Conn.

have a hard time to prove he didn't just take the fire escape and drive off with it.

Next day Jake showed up with the flywheel and the \$4.00 and took the stairs away with him. Jake had the rest of the stuff on the load, so Emil called Doc Hart to tell him to meet him at the schoolhouse and check the stuff in and give him his reward.

Doc came down as Jake was unloading. He checked over everything. "Don't see them two braces that fasten



ANNUAL MEETING of the BOARD OF GOVERNORS
AMERICAN ASSOCIATION OF NURSERYMEN

July 11 to 13, Hotel Netherland-Plaza, Cincinnati, O.



THE, A. A. N. SPECIAL NUMBER
of the

AMERICAN NURSERYMAN

July 1, 1944

THE OUTSTANDING ISSUE OF THE YEAR

- _____ **Four cover pages of plant pictures in full color.**
- _____ **Reference number — kept and consulted by over 5,000 readers.**
- _____ **Buyers' directory — record advertising of supplies, equipment and stock.**

GET ORDERS BY MAIL—Because typists are scarcer in the office and salesmen are fewer on the road, more and more business is transacted by mail. The past spring more nursery firms have used the advertising columns of the American Nurseryman than ever before—for complete price lists from two to four pages, conspicuous display advertisements of surplus stock, and want lists. The successful results have started them on plans for autumn advertising already.

DEMAND IS STRONG—Not only were fruit trees and berry plants cleaned out to an extent seldom, if ever, known before, but ornamental trees, shrubs and perennials were bought for home beautification. The shortage of labor caused many orders to be carried over until autumn, when much more stock will be bought and delivered. Remind trade buyers of your specialties and begin booking orders for the season ahead.

SAVE TIME — SAVE TRAVEL — SAVE LABOR
DO BUSINESS BY MAIL

Send your advertising copy early for the big Special Number.

AMERICAN NURSERYMAN

THE Magazine Nurserymen Everywhere READ

343 S. Dearborn St.,
Chicago 4, Ill.

it to the building. We cant pay no reward unless it is brought back complete like it says in the notice," says Doc.

"That's all I took, there wasn't no braces when I picked up this junk," says Jake.

"Don't make no difference," says Doc. "No braces, no reward. We got to have the outfit complete."

Emil could see that Doc was holding out on a technicality and he was burned up. "You either come through with that reward, Doc, or I will run you out of town," says Emil. "In fact I will run you off the school board."

"Here is the way the reward reads," Doc says. "\$25.00 will be paid for the return of the fire escape complete. It ain't complete so you don't get nothing until we get the rest of it." He left Emil standing there and drove away.

Emil stood there getting madder and madder all the time. "I'm going back to your yard, Jake, and give it a good going over. If you can find them braces, I'll give you that flywheel the next time you are going by, says Emil.

"You can look if you want to, Emil," says Jake, "but I tell you there wasn't no braces when I loaded this stuff up. Somebody else must have taken them before I got there."

Me and Emil drove over to Lake Park and spent the afternoon looking over that junk yard. Emil was like a boy in a candy store. If I hadn't stopped him he would have had a full load of junk to take home, but we didn't find the braces. There was an old churn which Emil dragged out of a pile. He paid 50 cents for it and we brought it home in the truck. "I'm going to fix that churn and make my own butter, Charlie. All it needs is a little fixing."

For the next couple of days Emil was hammering away on that churn and running back and forth to the blacksmith shop until he got it working after a fashion. We filled it up with cream which we got partly from his Mrs. under great protest and part he bought at the creamery. Butter was going to stand him at least a dollar fifty a pound but that didn't make no difference to Emil.

All during the proceedings Emil was sputtering about Doc Hart and the reward and trying to plan out some way to collect his reward. We started off with me turning the churn and Emil giving directions. There was a leak around the plug where there was a drain at the bottom. "Wait a minute, Charlie," says Emil, "while I fix that plug." He leaned over to get a good look at it, when the plug popped out. A big stream of

ANTAGONISTIC TO ADVERTISING?

"In the past we have been very antagonistic to much advertising in trade papers, except to keep our name before the public. We had tried it out time and time again in other papers and, beyond the fact that it probably helped in keeping our name before the public, we never could trace much of any direct returns.

"But your good paper does bring returns. We have had orders that directly mentioned 'We saw your ad in the American Nurseryman' so many times that we know definitely that with us American Nurseryman advertising has paid."

E. D. Robinson, Sales Agency,
Wallingford, Conn.
May 2, 1944.

WHY THE CHANGE?

Good reasons account for the returns received by Mr. Robinson, in behalf of the five prominent eastern nurseries he represents, from his 2-page advertisement and from offers in smaller spaces he has used this spring.

Today the subscription list of the American Nurseryman is far larger than the nursery periodicals of an earlier day ever envisioned. The present circulation of 5,000 copies has been attained by producing a magazine which is so useful and valuable to a nurseryman that he not only promptly pays the small subscription price, but, what is more important, reads each issue thoroughly. No other periodical in the horticultural field in this country reaches more than a fraction of this number of nurserymen—for this is the only magazine solely devoted to their interests.

Wholesale firms are interested in the fact that subscriptions to the American Nurseryman are accepted only from persons actually engaged in this business. Hence the mailing list is more carefully selected and maintained than any other used to circulate wholesale price lists. This is a medium exclusively for nurserymen.

If you are basing your advertising opinions on bygone experiences, you owe it to yourself and your associates to try a sales medium that will save you time, labor and money in a critical period like the present.

AMERICAN NURSERYMAN, 343 S. Dearborn St., Chicago 4, Ill.

sour cream hit him right in the eye and run all over his coat before we could shut it off, and most of the cream had run out.

"That does it," says Emil. "I've stood all a man can stand, I'm going to run Doc Hart off the school board. If it hadn't been for Doc I wouldn't be fooling with a churn." I carried the churn out in back of the greenhouse where it still stands.

About two weeks went by and nothing was heard of the missing braces and no sign of the reward. As the days wore on there was two factions sprung up in town. There were

the folks that thought Emil had been cheated out of the reward and the others thought that Emil should be satisfied not to be put in jail in the first place and that he knew all the time where the steps come from.

Some of the boys from the Civic Club was in favor of Emil and they started a campaign to get Emil on the school board. The election was only a couple of weeks off, the second Saturday in April.

That was the point where some of the city papers took it up and made a story about it, probably that is when some of the members read about it for

the first time. The old town of Riverbend aint been given such a show before or since. They had mass meetings, page ads in the gazette and personal calls on every voter in the district. The campaign was the main topic of conversation right up to the day of the election.

Emil based his campaign on the issue of the reward and he run against Doc Hart standing up for his rights and demanding that justice be done. It was a close race but when all the votes was counted, Emil had 401 votes and Doc had 390. Emil was officially in.

Up to that time Emil seemed to have the idea that if he got on the board there wouldn't be any question about his getting the reward. But he was due for a big disappointment. The rest of the board just voted against him, so he never did collect his reward. That is he didn't get the \$25.00 but he got a reward in a somewhat different way than he had planned on, which really suited him much better.

Two years before, the school board had advertised for 20 large sugar maples to plant around the square where the school house was located. At the time, Emil had bid on the maples at \$20.00 each but the job went to the F and M Nursery and Jake put in some of the worst runty maples you ever seen and bragged about it to John Bushbottom at the convention that he got \$30.00 each for them. Emil made a fuss about it at the time but he couldn't find out nothing as old Doc was thick with Jake. The details of that job got to turning over in Emil's mind, and the fact that Doc had his farm out east of town all planted up that spring by the F and M Nursery.

One night at the board meeting Emil demanded to see the minutes and the contracts regarding that deal. There it was in black and white where the board had given the job to the high bidder with undersize stuff. Emil threatened to raise a big rumpus and stir up a scandal as he was just looking for a chance to get even with the board members in some way. All the members was businessmen and didn't want to have anything going around town that wouldn't do their reputation any good.

That fall when the planting season come on, we had four landscape contracts there in Riverbend that run into a pretty good figure. I don't know if the people in town ever caught on or not but them contracts was all members of the school board. We got rid of all the old rubbish we had in the nursery that fall, including the



MUGHO PINE TRANSPLANTS

Mugho Pine is a real war casualty. When present supply of liners is gone no more will be available as seed for the true dwarf type was all imported and none has come in since 1939. Seedlings are no longer to be had. Line out some of these genuine true dwarf Mugho while still available.

	Per 100	Per 1000
4 to 6 ins., X.....	\$ 8.50	\$ 80.00
6 to 9 ins., X.....	11.00	95.00
9 to 12 ins., X.....	13.00	120.00
4 to 6 ins., XX.....	11.00	95.00
6 to 9 ins., XX.....	14.00	125.00

EVERGREEN NURSERY CO.

STURGEON BAY, WIS.

Growers of Lining-Out Stock since 1864.

EVERGREENS

Complete assortment of all worth-while
Pyramidal and Spreading Evergreens.

HOLTON & HUNKEL CO. NURSERY

P. O. Box 1747

:

MILWAUKEE, WISCONSIN

Nurseries at Brown Deer.

JUNIPERUS PFTZERIANA

Field-grown, three times transplanted, branched, 6 to 8 ins.

\$8.00 per 100.

Strong Rooted Tip Cuttings

\$3.50 per 100

\$30.00 per 1000.

J. B. BEALLE, Greenwood, Miss.

GARDENIA FLOWERS

PACKED FOR SHIPMENT NOW!

	In 100 lots Each	In 1000 lots Each
Stems 8 to 12 ins.	\$0.09	\$0.07
Stems 12 to 16 ins. ....	.14	.11

All cut flowers shipped via Express. Send cash with order as far in advance as possible.

GRIFFING NURSERIES

Beaumont, Texas

20 maples that should have gone on the schoolhouse job.

Emil didn't run for re-election, in fact Doc Hart is now back on the board again and is as good friends with Emil as ever. Just yesterday he was out to the nursery doctoring our old horse Victoria. He is the only one that can fix her up when she gets down with that old trouble in her stifle joint.

MAIL ORDER MEETING.

Despite the hurry and scurry of the present shipping season, a considerable number of members of the National Mail Order Nurserymen's Association attended the meeting, May 5, at Goshen, Ind. Hosts for the meeting were Kunderd Gladiolus Farms, Judson Wholesale Nurseries, Fox Nursery & Landscape Service and Kindig Nursery.

In a brief address, Paul Ulman, of the Indiana department of agriculture, stated that inspection services were being seriously hampered by the loss of men, but that nurseries as a whole were cooperating and were maintaining the quality of their stock, even in this year of extreme shortages. He said, however, that some plants were being shipped at wholesale which were entirely unsatisfactory and declared that if that kind of stock were sold at retail there would be a considerable loss of faith in nurserymen in years to come. His report of some unsatisfactory wholesale shipments was confirmed by several members. Mr. Ulman stated that most nurserymen were reducing their acreage, and he thought that this was a good sign that they were adjusting their operations to the manpower available.

Harold Hunziker, of M. J. Hunziker & Sons, Niles, Mich., has tried some German prisoners of war for nursery work, and he gave a report of his experiences, which were in the main satisfactory. Several of the nurserymen in the vicinity were much interested, judging by the discussion which followed.

The final meeting for this spring is scheduled for Benton Harbor, May 19, at which time a set of by-laws for the association will be presented. This will be an extremely important meeting, and the most complete attendance possible is desired.

Stanley A. Morse.

MUCH needed on account of the rainy weather, a large group of prisoners of war have been expediting spring work for the D. Hill Nursery Co., Dundee, Ill. The prisoners are transported daily from the stockade at Camp Grant.

This Business of Ours

Reflections on the Progress and Problems of Nurserymen

By Ernest Hemming

DEFLATION—PERSONAL.

We hear and read a good deal about inflation in these days, and there is an old saying, "What goes up must come down," that applies to inflation. At least, it did in my own case. True, the deflation was painful but salutary.

Looking backward over fifty years in the horticultural trades in the United States, one has many impressions and memories.

The experience that made the deepest impression, and perhaps helped to start me along the American way more than any other, came during the brief period I worked for Pitcher & Manda, Short Hills, N. J., soon after coming to this country from England. The firm has long gone out of existence, but was in full swing when I came to this country, about 1891, and to a green Englishman it was truly a revelation as a horticultural establishment.

As I recall, W. A. Manda was the head of the concern and was general manager. Joseph Manda was in charge of the orchid range, orchids being the leading specialty and the firm having collectors in different parts of the world. A large range of glass was devoted to stove and greenhouse plants, among them a fine col-

lection of bromeliads. John R. Johnson, an Englishman, I think, was foreman.

At that period chrysanthemums were much in the public eye, and there was a department devoted to them. A seed department was under Mr. Clucas and a herbaceous plant department was under a Mr. Renner. Besides a sizable office staff, there were a considerable number of salesmen.

In those days I was not particularly interested in the financial or business end of a concern. I was a green Englishman interested in plants and, of course, my fellow workmen. During the brief period I was there, the latter surely made an American of me.

It has always remained a mystery to me how such a fine, able aggregation of fellows came together in one horticultural establishment at one time. That they were fine and able was proved by their impress on the trade in later years, in the enterprises of W. A. Manda, Inc., South Orange, N. J.; Joseph A. Manda, whose sons still grow orchids in New Jersey and Florida; Clucas & Boddington, one-time seedsmen, New York; McRorie-McClaren Co., former orchid growers in California;

RADIANCE ROSES

2-yr., Field-grown

	Per 10	Per 100
PINK.....	\$3.50	\$30.00
RED.....	3.50	30.00

30 at 100 Rate

Send for complete list of roses.



WILLIS NURSERY

**Ottawa
Kansas**

HANSEN BUSH CHERRY

One of the fastest selling items for catalogue or agents, especially this year with the shortage of fruit tree stocks. A leading fruit plant and ornamental. We have a splendid lot of the Latest Improved Selections. We can supply many photos, cuts, colored prints, etc.

Size	Grade	Per 100	Per 1000
12 to 18 ins., 2-yr., branched.....		\$10.00	\$ 75.00
18 to 24 ins., 2-yr., branched.....		12.50	100.00
2 to 3 ft., 2-yr., branched.....		15.00	125.00
3 to 4 ft., 2-yr., branched.....		17.50	150.00
Super Grade, 2 to 3 ft., 3-yr., well branched..		25.00	200.00
Super Grade, 3 to 4 ft., 3-yr., well branched..		30.00	250.00

CARL A. HANSEN NURSERY

**Brookings,
South Dakota**

BOBBINK & ATKINS

Nurserymen and Florists
America's Leading Specialists in:—

Deciduous Azaleas
including the best named varieties
of Mollis, Pontica and Rustica

Hybrid Rhododendrons
20 leading varieties

Dogwoods—pink and white

Ginkgos and Lindens

Vines

Headquarters for English Ivy

Perennials and Roses
in varieties not obtainable
elsewhere

Write for Catalogue

Paterson Ave. E. Rutherford, N. J.

BARBERRY**PRIVET**

And Other

HEDGE PLANTS

Write Us

JACKSON & PERKINS COMPANY
Newark, New York

Evergreens**Barberry****Privet**

Write for wholesale price list.

GARDNER'S NURSERIES

Rocky Hill, Conn.

PRIVET and BERBERIS

Splendid Stock

Write for Special Quotations

LESTER C. LOVETT

MILFORD DELAWARE

PRINCETON NURSERIES

of PRINCETON, N. J.

SUPERIOR

Hardy Ornamentals**NORTHERN COLLECTED EVERGREENS**

Hardy, well rooted. *Abies balsamea*,
Thuja occidentalis, *Tsuga canadensis*.

Priced per 1000. Cash.

3 to 6 ins. \$6.00 9 to 12 ins. \$18.00

6 to 9 ins. 10.00 12 to 18 ins. 25.00

Write for new list.

WILLIAM CROSBY HORSFORD, Charlotte, Vt.

Troy's Nurseries, New Rochelle, N. Y.; Roman J. Irwin, still advertising on the front page of the florists' weeklies, and others who have faded out of memory and out of the public eye.

There was one, however, an Englishman like myself, who had come to America some years before and was one of the salesmen, and to whom I brought a letter of introduction from Dr. Masters, editor of the *Gardeners' Chronicle*, London. He took me out to Short Hills, showed me over the place and introduced me to Mr. Manda. Yes, I was an Englishman and had a "swelled head," and the least I expected was to be offered a foreman's job. I produced my testimonials, among them one from James Dickson & Sons, Chester, England, certifying that I had served an apprenticeship with that firm, and certificates from the Royal Botanic Gardens, Kew. When I offered them to Mr. Manda with a request for a job, he said, "We do not read testimonials. We start every man at \$9 a week and we soon find out if he is worth it."

But the final humiliation came when I was given a number, along with a lot of laborers who could not speak English, and sent to the herbaceous foreman to be put to work. While the treatment to my ego was rather severe, there was nothing personal about it; so I accepted it as the American way. If those were the rules of the game, I would play it that way. It still gives me a little satisfaction to recall that within six months I was an acting foreman.

I have always felt grateful for having been fortunate enough to be deflated while among that fine bunch of fellows at Pitcher & Manda's.

SMALL OR LARGE.

Satisfaction with the returns from advertising in the American Nurseryman does not depend upon the size of the space used, but nurserymen express pleasure with the response received either from 2-page spreads or classified ads. Like this:

"We are getting wonderful results from the double-page advertisement in the April 15 issue. We are already sold out of certain varieties of fruit trees in all sizes as listed in this ad."—Harrisons' Nurseries, Berlin, Md., April 22, 1944.

"Have had good response from the classified ads placed in the American Nurseryman this year."—W. N. Scarff's Sons, New Carlisle, O., April 22, 1944.

LINING-OUT STOCK**SEEDLINGS**

	100	1000
<i>Abies fraseri</i> , 4 to 6 ins.	\$ 3.00	\$25.00
<i>Picea canadensis</i> , 4 to 6 ins.	3.00	25.00
<i>Picea glauca albertiana</i> , 3 to 4 ins.	3.00	25.00
<i>Picea pungens glauca</i> , 6 to 8 ins.	3.00	25.00
<i>Picea pungens glauca</i> , 8 to 10 ins., tr.	10.00	90.00
<i>Pinus mughus</i> , 4 to 8 ins.	5.00	40.00
<i>Pinus nigra (austriaca)</i> , 8 to 10 ins.	4.00	35.00
<i>Pseudotsuga douglasii</i> , 6 to 8 ins.	3.00	25.00

CUTTINGS

From 2 1/4-in. pots.
\$12.00 per 100, 500 or over at
\$10.00 per 100

Ilex crenata bullata.
Juniperus depressa plumosa.
Juniperus horizontalis Bar Harbor.
Juniperus hibernica.
Juniperus excelsa stricta.
Retinospora plumosa aurea.
Retinospora plumosa aurea Gold Dust.
Retinospora plumosa.
Taxus cuspidata.
Taxus cuspidata capitata.
Taxus intermedia.
Taxus media hatfieldi.
Taxus media hicksii.
Taxus media brownii.
Taxus Moon's columnaris.
Thuja occidentalis compacta.
Thuja occidentalis globosa.
Thuja occidentalis globosa novum.
Thuja occidentalis pyramidalis.

GRAFTED STOCK

From 2 1/4-in. pots.

	10	100
<i>Cornus florida rubra</i>	\$3.00	\$27.50
<i>Ilex opaca femina</i>	3.00	27.50
<i>Ilex opaca femina</i> Clark	3.25	30.00
<i>Ilex opaca femina</i> Farage	3.25	30.00
<i>Ilex opaca femina</i> Hookstraw	3.25	30.00
<i>Ilex opaca femina</i> Joyce	3.25	30.00
<i>Ilex opaca howardi</i>	3.00	27.50
<i>Ilex opaca mascula</i>	3.00	27.50
<i>Jun. columnaris glauca</i>	3.00	27.50
<i>Jun. columnaris viridis</i>	3.00	27.50
<i>Jun. chinensis sargentii</i>	3.00	27.50
<i>Jun. chinensis sargentii glauca</i>	3.00	27.50
<i>Jun. squamata meyeri</i>	3.00	27.50
<i>Jun. virginiana burki</i>	3.00	27.50
<i>Jun. virg. canaerti</i>	3.00	27.50
<i>Jun. virg. glauca</i>	3.00	27.50
<i>Jun. virg. keteleeri</i>	3.00	27.50
<i>Jun. virg. schottii</i>	3.00	27.50
<i>Jun. virg. pyramidiformis</i>	3.00	27.50
<i>Jun. pfitzeriana</i>	3.00	27.50
<i>Thuja occidentalis spiralis</i>	2.50	22.50
<i>Thuja occ. elegantissima</i>	2.50	22.50
<i>Thuja occ. lutea</i> Peabody	2.50	22.50
<i>Thuja orientalis aurea nana</i>	2.50	22.50
<i>Thuja orientalis elegantissima</i>	2.25	20.00
<i>Thuja orientalis conspicua</i>	2.25	20.00

HESS' NURSERIES

Mountain View, N. J.

What's New in War Control Orders

SAVE CONTAINERS.

Shipping containers, both wood and paperboard, are becoming scarcer, and the situation is not likely to be any better, but rather worse, while the war continues on its present scale.

The acute situation was reflected in the order, effective May 1, placing secondhand paperboard shipping containers under price ceilings. Regulation MPR 529 covers any used corrugated or solid fiber paperboard shipping container which is either reusable or reconditioned.

Nurserymen should prepare for next season by building up their stock of secondhand shipping containers, both wood and fiberboard. Consult your local dealers in order that they may set aside for you the sizes you can employ. This will take time, and early attention to your next season's supply is the only way to avoid being without necessary shipping materials later. Those with any experience in this regard know this warning cannot be emphasized too strongly.

LARGER TIRE QUOTAS.

Larger rationing quotas for May of passenger tires and tubes, small truck tires and tubes and farm tractor and implement tires were announced by the Office of Price Administration.

The increases were made possible by larger production of these small-size tires from synthetic rubber. The additional tires will take care of the increased demands during May from motorists who have just been made eligible for them. Under the new eligibility provisions all drivers using their cars for occupational driving (B and C drivers) and all small delivery trucks are now eligible for new passenger tires (see OPA release 4238 dated May 1.)

The total May allocation of new passenger tires given to OPA by the Office of the Rubber Director is broken down into a quota of 875,525 and a reserve of 424,475. The reserve is not allocated directly to local boards, but is kept at the OPA national, regional and district offices for distribution during the months to the boards on the basis of demand. In April 1,050,000 new passenger tires were available for rationing by OPA local boards.

The allocation of small-size truck tires—those of sizes 7.50 or smaller—was increased about 70,000 to a May

total of 324,918. This figure includes a quota of 253,487 and total reserves of 71,431.

The continued shortage of large-size truck tires—those of sizes 8.25 or larger—is reflected in the May allocation of 135,307. This figure is almost the same as the small number distributed in April.

The May quota and reserve of all sizes of truck tubes are 375,000, up about 112,000 from the April figure.

In the farm tractor and implement tire category greater production has made possible a larger allocation for May, so that the needs of farmers can more nearly be met. The allocation of rear wheel tractor tires was raised from 22,481 in April to a total of 30,000 in May. A larger increase, however, could be made in the front tractor and implement tire category, which went up to 52,000 in May from a total quota and reserve of 34,799 in April.

The farm tractor and implement tube allocation, including tubes for both front and rear wheels, was increased from 32,495 in April to a total of 68,000 in May.

FEW NEW AUTOS LEFT.

Only 47,000 new passenger automobiles remained in dealers' inventories as of May 1, the Office of Price Administration announced. At the beginning of rationing, in February, 1942, the nation's stock pile was about 532,000 new cars.

Rationing will have to get tighter

and tighter until new car production is in sight, OPA said. Quotas and eligibility must be more and more restricted.

MINNESOTA NOTES.

Because of cold and continued rain, it has been extremely difficult to get into the fields and dig, especially evergreens, and up to the first week in May probably not more than ten per cent of the landscape orders had been executed. Cash-and-carry business has been excellent. Any evergreens that can be dug move out in no time. Labor of any dependability now costs between 75 cents and \$1 per hour.

Harold Case, of Mount Arbor Nurseries, Shenandoah, Ia., reported that the firm was much behind in getting out orders of evergreens because of the wet weather. This firm now is employing fifty German prisoners. Previously Italian prisoners were used.

The Cashman Nurseries, Inc., Owatonna, has made arrangements for using German prisoners to help out during this period of labor shortage.

IN the South Dakota primaries early this month, Senator Chad Gurney won the renomination for United States Senator on the Republican ticket over Lieutenant Governor A. C. Miller.

FRENCH LILACS

French Lilacs are a specialty with us. Check with us on your requirements for shipment during the Fall of 1944.

Also for a complete line of
**PEONIES — SHRUBS — TREES
AND EVERGREENS**

BRYANT'S NURSERIES

ARTHUR BRYANT & SON
PRINCETON ILLINOIS

DOUGLAS FIR

2-yr. seedlings, 3 to 6 ins.

\$1.50 per 100; \$12.00 per 1000.

These are genuine Rocky Mountain type. Ideal size and age for transplanting. Wire your order.

EVERGREEN NURSERY CO.

Est. 1864 Sturgeon Bay, Wis.

KOSTER NURSERY

Azaleas, Rhododendrons, Taxus, Junipers, Lilacs, Maples, Dogwood and other items in lining-out and smaller specimen sizes.

For complete line refer to issue of February 15 or March 1, 1944, or write for our price list.

Division of

SEABROOK FARMS
Bridgeton, N. J.

"A friendly, efficient sales service"

E. D. ROBINSON

SALES AGENCY

38 So. Elm St. P. O. Box 285
WALLINGFORD, CONN.

Representing

Adams Nursery, Inc.
Bristol Nurseries, Inc.
Barnes Brothers Nursery Co., Inc.
North-Eastern Forestry Co., Inc.
A. N. Pierson, Inc.

A complete line of well grown hardy plant material
Evergreens and Lining-out Stock

FOR COMPLETE LISTING

FRUITS—BERRIES—VINES
SHADES—SHRUBS—LINERS
EVERGREENS—PHLOX.

See March 1 issue of
American Nurseryman.

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EVERGREENS—in a large assortment of PYRAMIDAL ARBOR-VITAE, FITZGER JUNIFER and YEWs in grades at attractive prices. SOME LARGE SPECIMEN EVERGREENS, SHRUBBERY, SHADE TREES, BARBERRY 3-yr. transplanted, both red and green in grades.

CALIFORNIA PRIVET, 2-yr. in grades.

APPLE, 11 to 16 in. to 1 1/2-inch caliper, 3 and 4-yr. budded trees, good assortment.

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Kalmia — Azaleas

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Old English BOXWOOD

(Wholesale Only)

All slow-grown dense specimens. Red clay soil. Priced by height and spread. 18x13 in. to 24x22 in. in unlimited quantities. Also large specimens up to 9 ft. Write for price list.

BOXWOOD GARDENS

Mrs. R. P. Rayer High Point, N. C.

ORNAMENTAL SHRUBS
SHADE TREES, VINES
FOREST TREE SEEDLINGS
LINING - OUT STOCK

See our Surplus List in the March 15 issue.

BOYD NURSERY CO., McMinnville, Tenn.

SPREADING EUONYMUS.

Euonymus kiautschovicus (patens), the spreading euonymus, is normally an upright spreading broad-leaved evergreen shrub, that may reach a height of ten feet at maturity. This height is seldom obtained, however, except in the south. In the north its growth is sufficiently restricted by injury so that it is seldom over three to five feet. While its growth is normally shrubby, it is not uncommon to find some of the lower branches of creeping habit. There is also a type in the trade that definitely develops climbing branches with root-like holdfasts. It is a native of eastern and central China.

Under good conditions the leaves are dark green, usually glossy and from two to three and one-fourth inches long. The leaves are obovate or broad elliptic, with the leaf blade extending down onto the petiole, making the leaf more or less subsessile. In the latitude of central Ohio the plant must be considered as semi-evergreen. The leaves drop in late winter, but since the new leaves are produced early in the spring only a few weeks elapse between the time the old leaves fall and the new ones are produced. The leaves are of thinner texture and have a more wavy margin than the varieties and clones of *Euonymus fortunei*.

Considerable confusion exists in the trade on the identity of this plant. The plant sold as *Euonymus fortunei* (radicans) carrieri is frequently only a type of the spreading euonymus. One means of identification is the leaf shape, which has been mentioned already. Another, and better way, is to observe the flowering period. The spreading euonymus blooms in August or September, while *Euonymus fortunei* and its varieties and clones flower in June or July. The loose clusters of greenish-white flowers are not unattractive, but they have a disagreeable odor and are attractive to flies. This fault is most pronounced in *Euonymus kiautschovicus*.

The fruit of the spreading euonymus is pinkish with an orange-red aril. Fruits ripen in October and November. Because of the late date of ripening, fruit is often damaged by early frosts in the north before the fruit reaches maturity.

This plant does well in a wide variety of soils and tolerates both sun and shade. Propagation is by seeds and cuttings.

Euonymus kiautschovicus can be used as a vine, as a low clipped hedge and as a shrubby plant for mass and specimen planting. L. C. C.

RHODODENDRON HYBRIDS.

Grafted, hardy varieties only.

AZALEA KAEMPFERI HYBRIDS.

Named varieties; the hardiest of all Azaleas for landscape work.

KOSTER'S BLUE SPRUCE.

Perfectly shaped; transplanted.

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Fine specimen. Also fastigiata, pendula, Riversii.

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The best collection of choice varieties.

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Three outstanding varieties.

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Young, thrifty plants, selected varieties.

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BOTH NATIVE
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(Weller's Hardy Northern Type)
Only Boxwood proved hardy in Northern States for Twenty Years.

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Leading Perennials Growers
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New Books and Bulletins

FERTILIZER HANDBOOK.

"Handbook of Fertilizers," by Dr. A. F. Gustafson, professor of soil technology at Cornell University, published by the Orange Judd Publishing Co., is a 1944 revised edition of the author's book of the same title, first published in 1928. The book, which contains 168 pages and twenty-five illustrations, is priced at \$1.75. It contains information on the sources, make-up, effects and use of fertilizers.

Material has been added to bring the information on various types of fertilizers up to date. Tables show the plant nutrient content of the different materials.

A chapter is devoted to factory-mixed fertilizers, followed by a section on the home mixing of fertilizers. The necessary materials also may not be readily obtainable under war conditions, although there is still some saving in home mixing of fertilizers. Liming in relation to fertilizer practice is discussed informatively, and the final chapter of the book is devoted to organic matter in relation to fertilizer practice.

GARDEN QUESTIONS.

In every amateur garden periodical, a prominent department is that devoted to the questions of readers. Hence, when subscriptions were sought for the latest such periodical in this country, the Home Garden, the publisher invited questions along with remittances, and thousands were received. So the editorial board called in help and prepared a volume of over 1,400 pages, 4 1/2 x 7 1/2 inches, now published by the American Garden Guild, Inc., and Doubleday-Doran as "Ten Thousand Garden Questions Answered by Fifteen Experts," at \$3.95. The editor is F. F. Rockwell, who had the assistance of a lengthy list of writers on garden subjects, duly noted in the introduction.

The questions are presented in ten sections: Soils and fertilizers, ornamental plants and their culture, ten leading garden flowers, lawns and turf areas, the home vegetable garden, home-grown fruits, house plants, plant troubles and their control, regional garden problems, landscaping and miscellaneous.

The questions cover a wide range of subjects and intelligence, as might be expected from amateurs of little experience and no reference library.

Obviously the replies are brief. For the gardener who wants a ready answer to his question, perhaps a book such as this is the best way to provide the answer. Maybe he or she will then develop sufficient interest to seek a more thorough understanding of the basic principles of gardening, by which real success can be attained.

BORON IN AGRICULTURE.

In recent years boron has become recognized as an essential plant food element, minor in the sense that small quantities are necessary, but major in its necessity for normal plant nutrition.

Boron deficiency has been found in all types of soils from light sandy soil to acid mucks. The occurrence of the deficiency is not so widespread in acid soils as in those on the alkaline side. However, plants in some acid soils show severe boron deficiency symptoms.

It is generally accepted that organic manures, produced from feed not deficient in plant food, contain small amounts of minor elements, including boron. During the past few years the use of organic manures has greatly decreased, because of mechanized farming and increased applications of commercial fertilizers. It has been asserted that this may be one of the causes for the occurrence of boron deficiency.

Moreover, the improved method of producing commercial fertilizers, relatively free from impurities which previously often contained small amounts of various minor elements, is a further possible explanation of this boron deficiency.

The element boron occurs naturally in nearly all soils, but on account of some chemical, bacterial or physical action, it may not be available to the plants.

Much helpful information, gleaned from the scientific literature relating to boron, is contained in the 64-page booklet, "Boron in Agriculture" just issued in a new edition this year by the Pacific Coast Borax Co. With numerous illustrations, some in colors, it points out the effects of boron deficiency not only on fruit tree crops, but also on field crops and vegetables.

BULLETINS RECEIVED.

"Pest Control in Commercial Fruit Plantings," circular 568 of the University of Illinois college of agriculture, Urbana, is a well illustrated booklet of forty-four pages giving spray schedules, preparations and supplementary information for orchardists.

"Honey Production," circular 566 of the University of Illinois college of agriculture, by V. G. Milum, assistant professor of entomology, is a thorough going booklet of instructions for the beekeeper, in fifty-two pages.

"Low-bush Blueberries," bulletin 423 of the Maine agricultural experiment station, Orono, by F. B. Chandler, is a 28-page pamphlet of general

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180 Jonathan Apple, 5/16-in.	\$0.25
40 Macoun Apple, 9/16-in.35
45 Early McIntosh Apple, 7/16-in.30
20 Early McIntosh Apple, 5/16-in. ....	.25
75 Turkey Winesap Apple, 7/16-in. ....	.30
220 J. H. Hale Peach, 11/16-in. ....	.35
210 J. H. Hale Peach, 9/16-in. ....	.30
370 J. H. Hale Peach, 7/16-in. ....	.28
85 J. H. Hale Peach, 5/16-in. ....	.25
325 Rochester Peach, 11/16-in. ....	.35
245 Rochester Peach, 9/16-in. ....	.30
50 Bartlett Pear, 5/16-in. ....	.35

Prices are F.O.B. Hartford; boxing at cost. These trees offered subject to prior sale.

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CHINESE HOLLY

Ilex cornuta burfordii; showy, large red berries, hardy into Maryland, New Jersey and similar climates. Outdoor-grown for lining out in field.

2-yr. old, mostly 18 to 24 ins., well-branched, out of 4 1/2-in. pots—

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Ornamental Shrubs
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Apples Cherries
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to be budded this fall
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New Carlisle, O.

information for blueberry growers, taken from technical information published in bulletins and journal articles previously. It discusses varieties, culture, harvesting and marketing.

"Citrus Propagation," bulletin 96 of the Florida agricultural extension service, Gainesville, by A. F. Camp, is a 56-page pamphlet, well illustrated, discussing rootstocks and the various steps in the propagation of citrus trees, by various methods, and their treatment through various stages in the nursery.

To provide information on how to distribute irrigation water uniformly over farm lands, "Water-Application Efficiencies in Irrigation," bulletin 311 of the Utah agricultural experiment station, Logan, presents studies made by members of the staff on Utah farms. From the same station, bulletin 310 discusses in twenty pages, "The Influence of Cropping on the Nitrogen, Phosphorus and Organic Matter of the Soil under Irrigation Farming," by J. E. Greaves and C. T. Hirst. For those interested in vegetable growing in the state, "Tomato Production in Utah," circular 120, in thirty-two illustrated pages, covers not only the culture of the crop, but the control of diseases and insects which trouble the crop.

PLANTS FOR BOLD EFFECTS.

[Continued from page 9]

four feet tall; give them the liberal treatment mentioned under artemisia and they should reach six feet. They are then one of the outstanding features of the late summer and autumn garden. Anyone looking for bold effects at that season will make no mistake when he gives both of these sages a prominent place in his schedule.

If you do not know *Aruncus sylvestris* (*Spiraea aruncus*), you have missed one of the better bold plants of late spring and early summer. In case you do not know it, its synonym will probably tell you what to expect. *Spiraea* would not be a poor name, either, for the plant, judged from the garden angle, is essentially an herbaceous spiraea with its flowers in slender spikes. Anyway, it is a bold plant if given a rich moist soil, where it will get up to seven or eight feet in height, with large compound leaves and showy terminal panicles of white flowers from late May into July here. It seems to do best in part shade, which is not unnatural when we remember that it grows naturally in rich woods. Its habitat also gives us a clue as

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BLACK HILLS SPRUCE

	Per 100	Per 1000
6 to 9 ins., X.....	\$ 8.00	\$ 75.00
9 to 12 ins., X.....	9.00	85.00

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6 to 9 ins., X.....	5.00	45.00
9 to 12 ins., X.....	7.00	55.00
12 to 15 ins., X.....	9.00	85.00
15 to 18 ins., X.....	12.00	110.00

PONDEROSA PINE

12 to 15 ins., X.....	12.00	110.00
15 to 24 ins., X.....	16.00	140.00

WHITE PINE

9 to 12 ins., X.....	6.50	60.00
12 to 15 ins., X.....	8.00	75.00

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6 to 9 ins., X.....	11.00	95.00
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New Spreading Evergreen

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(*Buxus sempervirens*)

Cuttings grown from plants which have been hardy in Monroe for 20 years.

	Per 100	Per 1000
2 1/4 in. pots	\$10.00	\$ 85.00
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SMALL FRUIT PLANTS**

Grapes, Currants, Gooseberries,
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Limited supply of Hydrangea P. G. in
18 to 24-inch and 12 to 18-inch for spring
shipment.
FOSTER NURSERY COMPANY, INC.
69 Orchard St., Fredonia, N. Y.

to the soil it will need to give us bold effects. It is easily grown from seeds, which are usually available from dealers in native plants.

Hybrid astilbes are probably too well known to need attention here, but at least two Chinese species, *A. grandis* and *A. davidi*, are of special merit in this connection and are seldom seen at present. The first, which unfortunately is not hardy here, is truly a grand plant, with spikes of white flowers up to three feet in length on plants to six feet in height. It does not take a vivid imagination to see the bold effects that one could get from it. On the other hand, *A. davidi* is quite hardy here and is capable of the same striking growth in the rich moist soil that it likes. Take *A. japonica*, increase its stature to five or six feet, depending upon fertility and moisture, change its color to a lovely shade of pink, and you have a good picture of *A. davidi*, one of the better plants for bold summer effects.

As usually seen, *Baptisia australis* is a 2-foot plant; as seen in one garden that I know, where the soil has been manured and trenched fifteen inches deep, it grows five or six feet tall and is then one of the most effective plants of June and July. In addition to their landscape value, well done plants also demand the admiration of cut flower users, even the pretty legume foliage being

useful in the role of greens. It seems to me that gardeners too often overlook the value of foliage. Take this baptisia, for instance. Its leaves have a metallic luster that gives them special value, not only as a background for its deep blue, lupine-like flowers, but also as an accompaniment to other plants in its vicinity. A sister plant, *B. tinctoria*, with dark green leaves and yellow flowers, is one good companion, though I have never seen the latter make the free growth possible in australis. Because the plants are not exacting in their demands, they are seldom seen at their best. In the first place, it takes several years (five or more) for them to get sufficiently established to show what they are capable of doing. They should not, for that reason, be divided until it is absolutely necessary. If one starts out with a deep rich soil and gives the plants plenty of moisture, division may be put off for a long time.

Cassia marilandica is so seldom mentioned in polite society that one might get the idea it is an outcast. Really, though, it has most of the characteristics of the perfect plant, including lovely, light green, pinnate foliage, pretty yellow legume flowers and the ability to get along on little care. Planted in poor soil, where it received little moisture and care, it probably would not exceed a height of two or three feet. It would still be a summer-long ornament, though not the bold thing it could be in rich moist soil. It should then get five or six feet tall and almost as much across and be a bold object until cut down by frost.

The hybrid delphiniums are mentioned merely as a matter of record in the present enumeration. It should be borne in mind, however, that the boldest effects from them are only possible under high culture.

Little need be said about *Coreopsis tripteris* because it was discussed quite fully in a recent issue. But a plant of its stature (eight feet under good culture) cannot be ignored in a list of plants for bold effects.

Some may hold that the boltonias are too lacy to produce bold effects and that may be partly true, but their height alone gives them entrance into the select circle. I know not how others feel about *B. asteroides*, though I suspect not so enthusiastic, for I see few of them in gardens, but it appears to me to be one of our best late-flowering perennials. Boltonias are too sprawly, of course, for small gardens, but small gardens are scarcely the place

to try for bold effects. They may, however, be used in quite limited areas, if carefully staked to conform to the space available, but not in a way to make them look choked. *Asteroides* may be coaxed up to seven or eight feet in good soil, when it becomes a splendid thing in September and October with its fleecy white clouds. The botanist may ignore the plant known in gardens as *B. laevigata*, but its height of eight feet or more and pink flowers, fading to white, in October set it apart for garden use. Then the most popular of all, *B. latifolia*, with its pinkish-lavender (why it is called the violet boltonia is not apparent) flowers, large for a boltonia, from late July to October, is a good thing where a height of four or five feet is called for.

THE Oregon chapter of the American Association of Nurserymen held a meeting at Portland May 9 to elect officers and delegates, on the call of Wayne H. Melott, Forest Grove, secretary of the chapter.

N. N. OSLUND, of Oslund's Nursery, Cambridge, Minn., reports that business has been good. Rain has been plentiful in the area, and there has been snow on the ground, but Mr. Oslund says he and his men planted out 2,000 choice evergreens during the last week in April.

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Our numerous friends and patrons in all parts of the country are requested not to send in any more orders this spring, as the season is advancing rapidly, and we are being overcrowded with orders.

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Remember: Sherwood pays packing and shipping costs on all lining-out stock to all points in the United States and Alaska.

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Fruit and Shade trees with vigorous roots and sturdy stems.
Flowering trees, Weeping trees.
Shrubs, Roses, Small fruits.

Catalogue on request

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OBITUARY.

David Barclay Mackie.

David Barclay Mackie, 61, chief of the California state bureau of entomology and plant quarantine, died at a Sacramento hospital April 30.

Mr. Mackie's death followed a brief illness. He was nationally recognized as an authority on pest control and plant fumigation and had received international attention for his development of methyl bromide as a fumigant. As a result of his work in this field, this gas now is widely used as a fumigant of stored products, fruits, vegetables and nursery stock in many world ports and is in general use by the armed forces in the disinfection of clothing and bedding.

Final services were held May 3 at Sacramento.

Willis R. LeGron.

Willis R. LeGron, a grower of perennials at Toledo, O., for twenty-two years before his retirement three years ago, died May 2 at his home there, after a brief illness. He was 77 years old.

A native of West Millgrove, O., Mr. LeGron had lived at Toledo for forty-six years. A son, C. H. LeGron, now operates the business on Glendale avenue, Toledo.

Mrs. H. F. Hughart.

Mrs. Ida M. Hughart, wife of H. F. Hughart, Hamel, Minn., died April 30 after an illness of several months.

CALIFORNIA BULLETIN.

Now that the California Association of Nurserymen has a full-time executive secretary, members will be provided with monthly bulletins regarding pertinent matters. The first bulletin was issued under date of May 1 and contained four mimeographed pages dealing with agricultural wage ceilings and what members need to do to obtain approval of the War Food Administration, which is required on increases in wages to figures over \$2,400 per year.

The office of the executive secretary, Lewis D. Crane, is 608 Sixteenth street, Oakland 12, Cal.

So that more effective attention may be given to the problems of the industry in California, which is said to do an annual business of over \$25,000,000, members of the association are being asked to fill out a questionnaire providing detailed in-

formation on their business operations, to be used only in compiled statistics by the association.

The schedule of dues for retail nurserymen is \$15 plus \$1 for each employee and for wholesale nurserymen \$35 plus \$1 for each employee. The number of employees is figured as the average number of persons employed daily in the preceding twelve months from date of filing the application. A wholesaler is defined as an individual firm or cor-

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Grown right and packed right.

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Weeping and Upright Flower-
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But we are entirely sold
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ONE-PLY SISAL, 5-lb. balls, 10 balls
to bale, 86-lb. tensile strength, \$11.00
per bale.

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poration that sells \$1,000 or more worth of stock at wholesale prices per year.

SOUTHWESTERN NEWS.

Perry Lambert, nurseryman of Hiawatha, Kan., has been elected president of the state fair board of Kansas. Mr. Lambert is also on the state board of agriculture.

Lieut. Walter Lohman, formerly with the Willis Nursery Co., Ottawa, Kan., is now stationed in the Marshall islands, in the coast artillery.

A. E. Barnes, who operates Barnes Nursery, Bartlesville, Okla., suffered severe losses the fore part of April, when the highest flood in history covered most of his nursery six feet deep. A great deal of his stock was ruined.

Wilmer Craig Holsinger was born March 26 to Mr. and Mrs. Wilmer Holsinger, Kansas City, Kan. The infant is the first grandchild of George Holsinger, who for nearly twenty-five years was secretary-treasurer of the Western Association of Nurserymen.

C. W. Stuart & Co., Newark, N. Y., are maintaining an office at Lake and Alabama avenues, St. Joseph, Mo. They are utilizing the facilities of a nursery in St. Joseph for the filling of their western orders.

The Kansas Landscape & Nursery Co., Salina, Kan., has contracts for landscaping and sodding at the Otis helium factory, Otis, Kan., a federal housing project at Herington, Kan., and Camp Phillips and the Smoky Hill army airfield, at Salina.

TIDY CARAGANA.

The Tidy caragana, so named by the Dominion experimental station at Morden, Manitoba, last year, arose as a bud sport at a height of fourteen inches from the ground on a seedling littleleaf caragana, *Caragana microphylla*. The seed was obtained from the Dominion arboretum, Central Experimental Farm, Ottawa. The peculiarity of the branch that had sported was that the twigs were fine and their foliage was narrow and dainty. The leaflets resemble the ferny caragana, *C. lorbergi*, but they are slightly wider. The bush is distinctive in that it is round-headed and shapely, not drooping and twisting as is the ferny variety. Moreover, it has retained its foliage later in the season. The Tidy caragana is a graceful shrub with light green linear foliage, light yellow flowers and numerous fine branches and branchlets. It is useful as a specimen shrub, from five to seven feet in height, and as an ornamental hedge, clipped or natural.

WANT ADS

Help and Situation Wanted
and For Sale advertisements.

Display: \$2.50 per inch, each insertion.
Lines: 20¢ line; Minimum order \$1.00.

SITUATION WANTED—Landscape architect, 32, honorably discharged, single, good appearance, efficient. 15 years' practical experience in all nursery and landscape lines here and abroad. Wish lucrative position. Would also consider partnership. Address No. 808, American Nurseryman, 343 S. Dearborn, Chicago 4.

FOR SALE. Modern nursery in western Pennsylvania. Well stocked with salable evergreens. For sale at a bargain, due to ill health of owner. Address No. 804, American Nurseryman, 343 S. Dearborn St., Chicago 4.

FOR SALE—A general nursery, located in the largest city of Florida. Established 16 yrs. Good money-maker. Selling because of illness. Will require \$15,000 cash. Write to owner, DAVID SEONNY, 4522 San Juan, Jacksonville, Fla.

HELP WANTED

Grower who is thoroughly experienced in growing fruit, shade trees and shrubs. Prefer man 35 to 45 years of age who is looking for permanent position. Good wages.

COLUMBIA & OKANOGAN
NURSERY CO.
Wenatchee, Wash.

HELP WANTED

EXPERIENCED DECIDUOUS FRUIT
TREE GROWER

Permanent position with a good future for a reliable man to take charge of growing fruit and deciduous shade trees. Should be experienced in budding and planting and have a general knowledge of nursery work of this nature. All equipment is modern. Wire or write.

LEONARD COATES NURSERIES, INC.
San Jose, Calif.

SITUATION WANTED

An opportunity for a live-wire organization to employ a capable executive and practical man in the nursery business, covering all branches, including sales, wholesale, retail and mail-order. A good organizer. I have a good past record of accomplishments. Available around June 1.

Address No. 307, American Nurseryman, 343 S. Dearborn St., Chicago 4.

Specializing in matters regarding the nursery industry of America.

Commercial collections.

Traffic matters before the Interstate Commerce Commission.

Freight bills audited.

CHARLES SIZEMORE
Traffic Manager

319½ Georgia St., Louisiana, Mo.

For 20 years secretary and traffic manager of the American Association of Nurserymen and well known to the nursery trade.

Reference: Bank of Louisiana, Mo.

CLASSIFIED ADS

Five lines, \$1.00,
each additional line, 20 cents,
per insertion.

Let these little liners move
your stock easily and cheaply.

BERRY PLANTS

IMPROVED BEST VARIETY ELDORADO
BLACKBERRY.
2-yr., No. 1 field-grown plants. Heavy bearers
of large, luscious fruit, \$2.00 per 100; \$15.00
per 1000.
MRS. CHARLIE ROBINSON, GREENVILLE, GA.

EVERGREENS—Specimen

RHODODENDRON HYBRIDS
12 to 15 ins. \$1.50 2 1/2 to 3 ft. \$4.00
15 to 18 ins. 1.75 3 to 4 ft. 5.00
1 1/2 to 2 ft. 2.50 4 to 5 ft. 7.50
2 to 2 1/2 ft. 3.00 5 to 6 ft. 12.50
BAGATELLE NURSERY,
Huntington Station, L. I., N. Y.

SPECIMEN EVERGREENS

Write for special prices on Spruces and Pines;
also some shade trees and shrubs. Truck service
250 miles.
PEQUOT NURSERY, Pequot Lakes, Minn.

AZALEAS for May-June delivery. Hardy,
bushy, white and pink native azaleas. Quality
stock, 2 to 3 ft., \$10.00 per 100; 3 to 4 ft., \$15.00
per 100.
MRS. CHARLIE ROBINSON, Greenville, Ga.

EVERGREENS—Lining-out

TAXUS			
Cuspidata (Spreading)	Per 100	Per 1000	
2-yr., T., 9 to 12 ins.	\$12.50	\$120.00	
Cuspidata Vermeulen			
1-yr., T., 6 to 9 ins.	12.50	120.00	
Cuspidata Nana			
2-yr., T., 6 to 9 ins.	12.00	115.00	
Cuspidata Capitata			
1-yr., T., 6 to 9 ins.	10.00	95.00	
Baccata Overindi			
3-yr., T., 12 to 15 ins.	16.00	150.00	
Media Hicksi			
2-yr., T., 9 to 12 ins.	12.50	120.00	
Media Hatfieldi			
1-yr., T., 6 to 9 ins.	10.00	95.00	
Media Kelseyi			
1-yr., T., 6 to 9 ins.	12.50	120.00	
Retinospora Pl. Aurea			
2-yr., T., 12 to 18 ins.	12.50	120.00	
Retinospora Juniperoides (rare)			
2-yr., T., 6 to 10 ins.	16.00	....
Thuja Pyramidalis			
1-yr., T., 6 to 9 ins.	10.00	90.00	
SALISBURY NURSERY, East Hempstead, L. I., N. Y.			

EVERGREENS, own-rooted stock, once trans-
planted, 4 to 6 ins., heavily rooted.
Biota, aurea nana, nana compacta, Hill's
Pyramidal.

Juniperus, chinensis columnaris, communis ash-
fordi, Andorra, hibernica, japonica, pfitzeriana,
sabina.

Arbovitae, occidentalis, globosa, vervaeneana.
Retinospora, plumosa, plumosa aurea, squar-
rosa, filifera.

Selected: \$5.00 per 100; \$75.00 per 1000. Med-
ium: \$6.00 per 100; \$60.00 per 1000. Cash
please.

KANAWHA GARDENS, Dunbar, W. Va.

MAGNOLIA GLAUCA (Sweet Bay). Good lin-
ers, heavy quality, 12 to 18 ins., \$5.00 per 100;
2 to 3 ft., \$10.00 per 100; 3 to 4 ft., \$15.00 per 100.
MRS. CHARLIE ROBINSON, Greenville, Ga.

HEMLOCK transplants sold out. Try our col-
lected seedlings.
TWIN CEDAR NURSERY, Williamsburg, Mass.

HARDY PLANTS

HEMEROCALLIS (DAY-LILY)
GORGEOUS NEW FLOWERING FOR THIS

MONTH
10 each—100 plants—\$6.75
WHOLESALE VALUE—\$18.20
100 each—1000 plants—\$60.00

MAY—JUNE—JULY—AUGUST FLOWERING
Donald Wyman, 6-in. frs., rich gold; July, Aug.
Woodlot Gold, 6-in. frs., soft gold; July, Aug.
Patricia, best of all; soft lemon yel.; July.
Imperator, 6-in. frs., orange red; July, Aug.
Gold dust, fine deep orange; May, June.
Fulva, fulvous red; June, July.
Sovereign, superb deep yellow; June.
Muller's, rich yellow; June, July and Aug.
Marcus, deep yellow with ivory tips; July.
Duo-Bloom, new. Produces 2 distinct sets of
flowers, first on 24-in. stalks, followed by second
set shoulder-high. Deep yellow; June, July, Aug.
CASH WITH ORDER PLEASE

ROBERT WAYMAN, Box A, Bayville, L. I., N. Y.

HARDY CUSHION MUMS

Pink, white, bronze, Little Bob, Santa Claus,
\$4.00 per 100, \$35.00 per 1000. 25 of a variety
at 100 rates, 250 at 1000 rates. Send for catalog
of best varieties.

WONDERLAND NURSERIES, Ellersson, Va.

Rainbow Iris collection, very lovely varieties;
1 each of 25 kinds, \$3.00; 1 each of 50 kinds, \$5.00;
1 each of 100 kinds, \$7.50; labeled.
Smith Gardens, Clarkston, Wash.

BRILLIANT PINK PERENNIAL VERBENA.
Large field-grown, heavy-budded plants, \$3.00 per
100, \$25.00 per 1000.
MRS. CHARLIE ROBINSON, Greenville, Ga.

SWEET-SCENTED BLUE VIOLETS, heavy-
budded plants, good roots, \$3.00 per 100, \$25.00
per 1000.
MRS. CHARLIE ROBINSON, Greenville, Ga.

HERBS

Angelica Seedlings, Chives, \$8.00 per 100. Apple
Mint, Curly Mint, Orange Mint, \$10.00 per 100.
HIGHMEAD NURSERY, Ipswich, Mass.

Peonies: Tree and Herbaceous, best varieties.
Oberlin Peony Gardens, Sinking Spring, Pa.

SHRUBS and TREES

EVERGREENS, SHRUBS and TREES

Juniper Pfitzer Transplants:
8,000, \$10.00 per 100; \$80.00 per 1000.

Lilac Rothomagensis:
3,000, 3 to 4 ft., 25c; 4 to 5 ft., 30c.

Spiraea Vanhouttei:
3,000, 2 to 3 ft., 12c; 3 to 4 ft., 15c.

Redbud:
300, 3 to 4 ft., 30c; 4 to 5 ft., 40c; 5 to 6 ft.,
50c; 6 to 8 ft., 75c.

Flowering Crab—Hopa, Red Silver and Theifera:
250, 6 to 7 ft., 90c; 5 to 6 ft., 80c; 4 to 5 ft., 50c.

Ask for price list on Specimen Evergreens B&B,
Shade Trees, Apple Trees and many other items
in surplus.

NEBRASKA NURSERIES, INC.
4815 "O" St., Lincoln, Neb.

LILACS

Our collection contains 90 per cent of the list
published by the Association of Botanical Gar-
dens as "the very finest."

1-yr. old	\$0.25
1 1/2 to 2 ft. ....	.60
2 to 3 ft. ....	.75
3 to 4 ft.	1.25
4 to 5 ft.	2.00

BAGATELLE NURSERY,
Huntington Station, L. I., N. Y.

SEEDLINGS, available for spring shipment,
fine for lining-out stock and landscape work:
Chinaberry, Red Cedar, Red Maple, Pine, Crab-
apple, Water Oak, Liquidambar, Stracifidua (Sweet
Gum), Plum; 12 to 18 ins., \$5.00 per 100; 2 to 3
ft., \$10.00 per 100; 3 to 4 ft., \$15.00 per 100.
MRS. CHARLIE ROBINSON, Greenville, Ga.

BUSH CHERRIES

Hansen Bush Cherries, 2 to 3-in. transplants,
heavy, at 4 1/2 each.
GURNEY'S SEED & NURSERY CO.
Yankton, S. D.

CORNUS FLORIDA (White-flowering Dogwood).
Heavy quality trees, 2 to 3 ft., \$10.00 per 100;
3 to 4 ft., \$15.00 per 100.
MRS. CHARLIE ROBINSON, Greenville, Ga.

SALES YARD SPECIAL

Chinese Elm Trees, 100 5 to 6 ft., \$11.00; 100
6 to 8 ft., \$15.00. Baling free.
SWINK NURSERY CO., Swink, Colo.

VINES

LONICERA HALLIANA JAPONICA (Hall's
Honeysuckle). Strong No. 1, 2-yr. field-grown;
3 to 4 heads, 18 to 20 ins. Carefully graded,
selected plants, \$4.00 per 100; \$30.00 per 1000;
lighter plants, \$20.00 per 1000. Immediate ship-
ment.

MRS. CHARLIE ROBINSON, Greenville, Ga.

WISTERIA, Purple, 3-yr., No. 1. Layers from
blooming wood, \$5.00 per 100; 3-yr., extra heavy,
\$20.00 per 10.
SHOAF'S PLANT FARM, R. 3, Lexington, N. C.

WANTED

Wanted—Seedlings, lining-out or young stock
of the following:

CONIFERS:

Abies—Arizonica (lasiocarpa), Magnifica, Ve-
nusta.
Pinus—Eduilis, Bungeana, Cembra, Koratensis,
Monophylla, Pumila (var. Cembra), Sibirica (var.
Cembra), Gerardiana, Parryana, Torreyana,
Conteri, Sabiniana, Cembroides, Albiculis, Bal-
fouriana.
Juniperus—Drupacea, Rigida.
Torreya—Nucifera.
Cephalotaxus—Drupacea.
Sciadopitys—Verticillata.
Cryptomeria—Japonica Lobbi Compacti.
Araucaria—Imbricata.

If you can furnish, now or later, any items of
the above list, write, giving full particulars, to
Box No. 309, American Nurseryman, 343 S. Dear-
born, Chicago 4, Ill.

CUT FLOWERS

GARDENIA SPRAYS

Bushy, 12 to 15 ins., heavy, \$5.00 per 100;
\$40.00 per 1000.
MRS. CHARLIE ROBINSON, Greenville, Ga.

SUPPLIES

PINE FLATS

Size 18 x 12 x 3	14c
20 x 12 x 3	18c
20 x 12 x 4	15 1/2c
Tomato Boxes, 9 x 6 x 3	6c
A. J. CAMERON, Spring St., Farmington, N. H.	

GIBALTAR Frost Covers pay for themselves.
Most economical, long lasting, also ideal for wind-
breaks. 6 ft. wide, price 50 ft., \$19.75; 100 ft.,
\$28.00; 150 ft., \$39.00. NEW AMSTERDAM CO.,
122 Chambers St., New York 7, N. Y.

COTTONETTE Squares are best for baling. Saves
time and twine. All sizes in stock. Write for
prices. NEW AMSTERDAM CO., 122 Chambers
St., New York 7, N. Y.

WET WEATHER HINDERS.

Rainy weather has handicapped
wholesale nurserymen of the middle
west in making deliveries, particu-
larly in the face of an unexpectedly
heavy demand for ornamentals. The
general situation is that described
the first week in May by Miles W.
Bryant, of Bryant's Nurseries, Prince-
ton, Ill.

"We have turned down enough
orders for evergreens the last five
or six days to keep our slender crew
of evergreen ballers going for two
weeks. We are so far behind on
evergreens now that we are wonder-
ing if we ever will get ourselves
clear before they make too much
start to dig. Part of our trouble is lack
of help, part of it is weather, and
another good-size part is just an
extremely good demand which has
developed much later in the season
than we had anticipated.

"Anyway, we have all of the
orders on hand that we can possibly
take care of. It has been a good
spring business, and up until the
last few days we have been able to
take care of it reasonably well. The
worst of it is that there has been
so much wet weather here that it has
delayed us not only on our digging,
but has got us in rather bad shape
on our own planting. That is prob-
ably the place where we are going to
suffer the most this spring."

CUTTING back the tips of the
top shoots of Pyracantha lalandi
helps to maintain berries on the
side shoots.

BY the time Frank Richard's com-
ment on the dry Colorado weather
had been published last month, rec-
ord-breaking wet snows changed the
picture. Subsequent rains prevented
much digging during April at Rich-
ard's Gardens, Fort Collins, Colo.,
with the result that booking orders
had to be halted, because work was
so far behind despite the easier labor
situation.

BOOKS

for Nurserymen

Book A. Illustrates in full color 235 standard nursery items, brief description, substantially bound. Price in small lots, 75c each.

Descriptive Nursery Catalogue

Nicely illustrated, 48 pages and cover. 18c each in small lots.

Correct Planting Methods

A pocket-size 48-page booklet. Very complete but concise information, well illustrated. Helpful in preventing claims for dead stock that cost nurserymen money. Sample, 10c. Write for discounts on quantities.

Will send sample copy of each of the above on receipt of \$1.00. Cash with order.

Made to Order

Catalogues, Folders, etc., with illustrations in full color or one color. Thousands of engravings available. Send your specifications or samples for estimate and suggestions.

A. B. MORSE COMPANY
ST. JOSEPH, MICHIGAN

SPRAY WITH C.P.O.

For better control of Juniper Scale, Red Spider, Lace Bug, Spruce Gall Aphid, Aphid and most nursery pests, use this safe, odorless, nonpoisonous and non-staining spray. C. P. O. reduces nicotine costs.

Free literature and samples

Crystal Soap & Chemical Co.

Incorporated

Department AN

6300 State Road Philadelphia, Pa.

GENUINE BURLAP SQUARES

Size approx. 24x24 inches at

\$35.00 per 1000

F. O. B. Richmond, Va.

Packed 2000 in a bale.

No priority required at present.
Enclose payment with order.

ACORN BAG & BURLAP CO.
915 N. Delaware Ave., Philadelphia 23, Pa.

DOWAX

10 55-gal. drums (400 lbs. net each)
DOWAX at \$30.00 per drum.
F.O.B. Warehouse, Jersey City, N. J.

CLAUSS BROS.
1837 N. Harlem Avenue
Chicago, Illinois.

NEW PLANT PATENTS.

The following plant patents were issued last month, according to Rummler, Rummler & Davis, Chicago patent lawyers:

No. 621. Peach tree. Walter E. Lammerts, West Los Angeles, Cal., assignor to Armstrong Nurseries, Inc., Ontario, Cal. A new and distinct variety of peach tree, characterized as to novelty by the size of its fruit, with small pit; the distinct and unusual coloring of the fruit; the full-bodied flavor and excellent balance between sugar and acid; the resistance of the plant to delayed dormancy; its ability to produce regular crops in the Southern California area and to leaf out, flower and develop high flavor, regardless of weather conditions preceding its ripening period.

No. 622. Gardenia plant. Valentine Comte Kondo, Miami, Fla. A new and useful variety of gardenia plant, characterized particularly by its vigorous, fast growth; its freedom from disease, the constant heavy production of flowers, the retention of buds at all seasons, its production of a single bud to a branch and its large, dark glossy foliage which forms in a whorl. It is further characterized by the large buds and magnolia-like appearance; the large, camellia-like flowers, with great petalage and with substantial, rounded petals of pure white, with greenish-cream edging on under side of outer row; the sweet magnolia-like fragrance of its flowers and the great endurance and longevity of its flowers both on the bush and after being cut.

No. 623. Peach tree. E. W. Freeland, Clarinda, Ia., assignor to Stark Bros. Nurseries & Orchards Co., Louisiana, Mo. A new and distinct variety of peach tree, characterized as to novelty by its unusual hardiness both as to bud and wood, the early coloring of the fruit before ripening and its superior quality and later ripening period with respect to the J. H. Hale variety.

No. 624. Peach tree. V. G. McGuigan, Cedar Springs, Ont., assignor to E. D. Smith & Sons, Ltd., Winona, Ont. A new and distinct variety of peach tree, characterized as to novelty by its hardiness, vigorous growth, resistance to disease and insects and regular heavy bearing habits; skin of attractive color and comparable to Elberta with regard to pubescence; fine flavor and texture of the meat; dry freestone; excellent shipping, eating and canning qualities, and the persistence of the fruit in hanging on tree until thoroughly ripe.

No. 625. Seedless navel orange tree. Donald J. Nicholson, Orlando, Fla. A new and distinct variety of navel orange tree, characterized particularly by its much heavier juice content, its larger amount of acidity, its absence of dry juice cells and ability to hold its juices; its higher ratios of sugars to acids, its higher content of soluble solids, its different flavor, its shorter maturing period after flowering, which is six to six and one-half months, and its higher rate of productivity on sour orange rootstock—all as compared with the Washington navel orange.

NATIONAL PEONY SHOW.

The forty-first annual meeting and exhibition of the American Peony Society will be held in the Milwaukee Gas-Light Co. building, 626 East Wisconsin avenue, Milwaukee, Wis., June 24 and 25. Charles E. Hammersley is chairman of the show.

All shipments of peonies (cut blooms) intended for the show should be sent by the exhibitors by prepaid express to Holton & Hunkel Co., 797 North Milwaukee street, Milwaukee, and they should be plainly marked "For peony show." A postal card or letter should be sent to this firm at least two days before the shipment is made, specifying the number of boxes or packages in the shipment.

A duplicate list, showing the classes which the exhibitor intends to enter, should be mailed to Charles E. Hammersley, Room 714, 231 West Wisconsin avenue, Milwaukee. Those who wish to have any additional information concerning the show should write the secretary of the American Peony Society, W. F. Christman, Northbrook, Ill.

WHY NOT TRY OUR SUBSTITUTE FOR BURLAP SQUARES, WHICH IS EXCELLENT?

also

NEW KRAFT PAPER BAGS

all sizes

1½-2-3-3½-5-6-10-12½ lb.

capacities

suitable for

BULBS • PLANTS

and many other uses.

Now Selling for Prompt
and Future Delivery.

Samples and Prices Gladly
Furnished upon Request.

AMERICAN-NATIONAL BAG & BURLAP CO.
INCORPORATED
343 KENT AVE. BROOKLYN, N. Y.

☐ NURSERY BURLAP
SQUARES and ROLLS ☐

RIGHT { Packing
Size
Price

Write for prices and samples.

L. ATKIN'S SONS
P. O. Box 167, ROCHESTER, N. Y.

HYPONEX PLANT FOOD

HYPONEX is a complete plant food that will grow superior plants in soil, or even sand or water. Use HYPONEX for germination of seeds (helps to prevent damping-off). Cuttings (keeps them succulent until ready for transplanting). Transplanting (reduces shock and wilting), and for general feeding of flowers, vegetables, trees and lawns. Better root systems. Greater substance in stems, larger flowers.

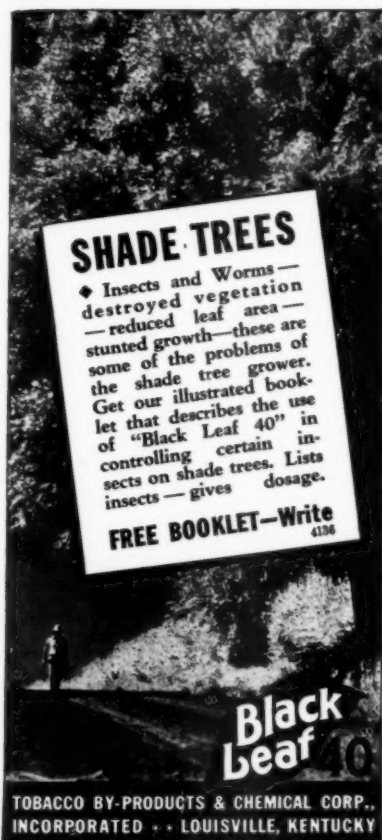
Buy from your jobber or send \$1.00 for 1-lb. sample (makes 100 gals.); dollar credited on first order for 1 case for resale or 10-lb. drum for own use.

Write jobber or direct to us for prices

HYDROPONIC CHEMICAL CO., Inc.
315 West 39th Street, New York 18, N. Y.

COTTONETTE Nursery Squares.
GIBALTAR Frost Covers.
HORTICULTURAL PEAT MOSS.
LIVE SPHAGNUM MOSS.
RAFFIA for budding, etc.
SAMSON-MATS.

Write for price; state requirements.
NEW AMSTERDAM CO.
125 Chambers St., New York 7, N. Y.



SHADE TREES

◆ Insects and Worms — destroyed vegetation — reduced leaf area — stunted growth — these are some of the problems of the shade tree grower. Get our illustrated booklet that describes the use of "Black Leaf 40" in controlling certain insects on shade trees. Lists insects — gives dosage.

FREE BOOKLET—Write 4136

Black Leaf 40

TOBACCO BY-PRODUCTS & CHEMICAL CORP., INCORPORATED • LOUISVILLE, KENTUCKY

Save Time Save Twine Save Labor

with FELINS ELECTRIC BUNCH TYER

For Bunch Vegetables, Cut Flowers, Nursery Stock



FELINS

Milwaukee 6

Wisconsin

ATTENTION NURSERYMEN!



**IMP.
SOAP
SPRAY**

Use 1 part with 25 to 40 parts of water

Ask your nearest seedman, or write for literature.

THE AMERICAN COLOR AND CHEMICAL CO.
170 Purchase St. Boston, Mass.

**CARPENTER TWINES HAVE
GONE TO WAR**

WHEN AGAIN AVAILABLE
WE WILL CONTINUE TO BE HEADQUARTERS FOR

**CARPENTER'S
NURSERY TWINES
Geo. B. Carpenter & Co.**

430 N. WELLS ST., CHICAGO 54, ILL.



**RAFFIA
and
RUBBER STRIPS
for
1944 BUDDING**

We suggest you place your budding material order now, as freight shipments are SLOW, and rubber strips not too plentiful.

THOMAS B. MEEHAN CO.
Dresher, Pa.

GENUINE MOSS PEAT

Hydraulic pressed bales and smaller resale packages. Sphagnum Moss, Cultivated Peat Humus.

Shipped from Northern plant at Floodwood, Minn., and Hanlontown, Iowa. Annual capacity 1,000 carloads.

Now booking for present and future deliveries.

Write or wire for quotations.

Colby Pioneer Peat Co., Inc.
Hanlontown, Iowa

**LABELS
FOR
NURSERYMEN**

**THE
BENJAMIN CHASE
COMPANY
DERRY, N. H.**

**TOOLS & ALL SUPPLIES for
Nurserymen and Tree Surgeons
AMERICAN FLORIST SUPPLY CO.**
1335 W. Randolph St. CHICAGO 7

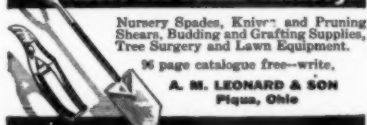
SANI-SOIL

The perfect mulch and soil conditioner

BAMBOO CANES — RAFFIA — BULBS

McHUTCHISON & CO.
95 Chambers St. New York 7, N. Y.

Write for FREE Catalog!



Nursery Spades, Knives and Pruning Shears, Budding and Grafting Supplies, Tree Surgery and Lawn Equipment.

96 page catalogue free—write,
A. M. LEONARD & SON
Piquette, Ohio

LINING-OUT STOCK OF HILL EVERGREENS

We still have the following choice lining-out items available, which are offered subject to prior sale. The season is late; stock is still in good condition to move. This is the last offer of the spring '44 planting season.

TWICE TRANSPLANTED FROM FLATS

Pfitzer Juniper	4 to 6 ins.	\$.02
Spiny Greek Juniper.....	4 to 6 ins.	.11
Norway Spruce	8 to 10 ins.	.10
Nest Spruce	4 to 6 ins.	.12
Dwarf Alberta Spruce.....	3 to 4 ins.	.14
Colorado Spruce	6 to 8 ins.	.09
Limber Pine	4 to 6 ins.	.11
White Pine	6 to 8 ins.	.06
Hicks Yew	8 to 10 ins.	.12
Hemlock	4 to 6 ins.	.08

TWICE TRANSPLANTED FROM FRAMES

Pfitzer Juniper	10 to 12 ins.	\$.02
Irish Juniper	8 to 10 ins.	.12
Norway Spruce	12 to 15 ins.	.16
Black Hills Spruce.....	10 to 12 ins.	.12
Mugho Pine	4 to 6 ins.	.16
Mugho Pine	6 to 8 ins.	.18
Mugho Pine	6x6 ins.	.30
Douglas Fir	8 to 10 ins.	.16
Douglas Fir	10 to 12 ins.	.18
Upright Japanese Yew.....	6 to 8 ins.	.20
Spreading Japanese Yew.....	10 to 12 ins.	.24
Browns Yew	6 to 8 ins.	.22
Browns Yew	8 to 10 ins.	.24
Hill Pyramidal Yew.....	6 to 8 ins.	.22
Hicks Yew	6 to 8 ins.	.16
Hicks Yew	15 to 18 ins.	.40

JUNIPER GRAFTS

Vase-shaped Prostrate	\$.03 32 1/2
Japanese .....	.32 1/2
Hill Japanese .....	.32 1/2
Vonechron .....	.32 1/2
Hillbush, Dark Green.....	.32 1/2
Hillspire .....	.32 1/2
Hill Dundee .....	.32 1/2

TWICE TRANSPLANTED FROM FIELD

Keteleer Juniper	12 to 18 ins.	\$.055
Keteleer Juniper	18 to 24 ins.	.65
Pfitzer Juniper	12 to 15 ins.	.27 1/2
Pfitzer Juniper	15 to 18 ins.	.32 1/2
Blue Sargent Juniper.....	12 to 15 ins.	.60
Green Sargent Juniper.....	10 to 12 ins.	.50
Vase-shaped Juniper	12 to 15 ins.	.50
Japanese Juniper	12 to 15 ins.	.60
Savin Juniper	12 to 15 ins.	.40
Hillbush Juniper, Dk. Gr.	12 to 15 ins.	.60
Hill Pyramidal Juniper.....	15 to 18 ins.	.50
Norway Spruce	15 to 18 ins.	.22
Norway Spruce	18 to 24 ins.	.24
White Spruce	10 to 12 ins.	.17
Pyramidal Arborvitae	18 to 24 ins.	.45
Pyramidal Arborvitae	24 to 30 ins.	.55

D. HILL NURSERY COMPANY

Largest Growers In America

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Evergreen Specialists

DUNDEE, ILLINOIS